

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Image segmentation of skin cancer using MobileNet as an encoder and linknet as a decoder
 Jumlah Penulis : Empat (M Widiansyah, S Rasyid, P Wisnu, Adi Wibowo)
 Status Pengusul : Penulis ke 4 (Empat) / Korespondensi
 Identitas Prosiding : a. Judul Prosiding : IOP Conf. Series: Journal of Physics
 b. ISBN/ISSN :
 c. Thn Terbit, Tempat Pelaks. : 2021
 d. Penerbit/Organiser : IOP Publishing
 e. Alamat Repository/Web : <https://iopscience.iop.org/article/10.1088/1742-6596/1943/1/012113>
 Alamat Artikel : <https://iopscience.iop.org/article/10.1088/1742-6596/1943/1/012113/pdf>
 f. Terindeks di (jika ada) : Scopus

Kategori Publikasi Makalah : *Prosiding* Forum Ilmiah Internasional
 (beri ✓ pada kategori yang tepat) *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional 30	Nasional	
a. Kelengkapan unsur isi prosiding (10%)	3		3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		9
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		8,5
d. Kelengkapan unsur dan kualitas terbitan /prosiding (30%)	9		9
Total = (100%)	30		29,5
Nilai Pengusul = 40% x29,5 = 11,8			

Catatan Penilaian artikel oleh Reviewer :

1. Kesesuaian dan kelengkapan unsur isi jurnal:

Isi jurnal sesuai dan lengkap dengan komponen-komponennya: abstrak, pendahuluan, metode, hasil dan diskusi, lalu kesimpulan dan daftar pustaka, semuanya sesuai dan tepat.

2. Ruang lingkup dan kedalaman pembahasan:

Ruang lingkup paper ini membahas tentang pengembangan program komputer untuk pengolahan citra dalam segmentasi citra kanker kulit. Pembahasan terkait model cukup dalam dan beberapa eksperimen sudah dilakukan.

3. Kecukupan dan kemutakhiran data/informasi dan metodologi:

Data-data hasil yang diperoleh dalam penelitian baik dengan didukung metodologi yang tepat dengan jumlah referensi kurang dari 5 tahun sejumlah 18.

4. Kelengkapan unsur dan kualitas terbitan:

Paper ini diterbitkan dalam conferences and proceedings oleh IOP Publishing Ltd dengan SJR 2021 0,21 serta H-index 85 dengan unsur-unsur yang lengkap serta kualitas yang baik.

Semarang, 3 April 2023

Reviewer 1



Prof. Dr. Rahmat Gernowo, M.Si.

NIP. 196511231994031003

Unit Kerja: Fakultas Sains dan Matematika

Universitas Diponegoro

Jabatan Fungsional : Guru Besar

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul Karya Ilmiah : Image segmentation of skin cancer using MobileNet as an encoder and linknet as a decoder

Jumlah Penulis : Empat (M Widiansyah, S Rasyid, P Wisnu, Adi Wibowo)

Status Pengusul : Penulis ke 4 (Empat) / Korespondensi

Identitas Prosiding :

- a. Judul Prosiding : IOP Conf. Series: Journal of Physics
- b. ISBN/ISSN : 1742-6588 (print) 1742-6596 (web)
- c. Thn Terbit, Tempat Pelaks. : 2021
- d. Penerbit/Organiser : IOP Publishing
- e. Alamat Repository/Web : <https://iopscience.iop.org/article/10.1088/1742-6596/1943/1/012113>

Alamat Artikel : <https://iopscience.iop.org/article/10.1088/1742-6596/1943/1/012113/pdf>

f. Terindeks di (jika ada) : Scopus

Kategori Publikasi Makalah : Prosiding Forum Ilmiah Internasional
(beri ✓ pada kategori yang tepat) Prosiding Forum Ilmiah Nasional

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional 30	Nasional	
a. Kelengkapan unsur isi prosiding (10%)	3		3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		9
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		8
d. Kelengkapan unsur dan kualitas terbitan /prosiding (30%)	9		9
Total = (100%)	30		29

Nilai Pengusul = 40% x 29 = 11,6

Catatan Penilaian artikel oleh Reviewer :

1. Kesesuaian dan kelengkapan unsur isi jurnal:

Konten jurnal sudah lengkap sesuai dengan ketentuan yang berlaku.

2. Ruang lingkup dan kedalaman pembahasan:

Ruang lingkup dalam artikel ini akan membahas secara rinci tentang pengembangan program komputer untuk pengolahan citra kanker kulit, model segmentasi citra kanker kulit yang digunakan, serta hasil eksperimen dengan memilih nilai hiperparameter terbaik dan skenario perbandingan kinerja antara blok encoder MobileNetV1 dan MobileNetV2 dan linkNet. Pembahasan sangat baik

3. Kecukupan dan kemutakhiran data/informasi dan metodologi:

Dalam studi tersebut, telah diperoleh sekumpulan informasi yang didukung oleh metodologi yang tepat dan didukung oleh referensi yang terbaru, yaitu kurang dari 5 tahun yang lalu, dengan total sebanyak 18.

4. Kelengkapan unsur dan kualitas terbitan:

Paper ini dipublikasikan di sebuah conferences and proceedings dengan H-index 85 serta total sites 33559 pada tahun 2021 diterbitkan oleh IOP Publishing Ltd. Paper tersebut memiliki semua unsur yang diperlukan dengan sangat baik.

Semarang, 3 April 2023

Reviewer 2

Dr. Drs. Tarno, M.Si.
NIP. 196307061991021001
Unit Kerja: Fakultas Sains dan Matematika
Universitas Diponegoro
Jabatan Fungsional : Lektor Kepala

[< Back to results](#) | 1 of 1[Download](#) [Print](#) [Save to PDF](#) [Save to list](#) [Create bibliography](#)

Journal of Physics: Conference Series • [Open Access](#) • Volume 1943, Issue 1 • 14 July 2021 • Article number 012113 • 10th International Seminar on New Paradigm and Innovation of Natural Sciences and its Application, ISNPINSA 2020 • Virtual, Online • 24 September 2020 through 25 September 2020 • Code 170730

Document typeConference Paper • [Bronze Open Access](#)**Source type**

Conference Proceedings

ISSN

17426588

DOI

10.1088/1742-6596/1943/1/012113

[View more](#)

Image segmentation of skin cancer using MobileNet as an encoder and linknet as a decoder

[Widiansyah M.](#); [Rasyid S.](#); [Wisnu P.](#); [Wibowo A.](#) [Save all to author list](#)

^a Informatics Departement, Science and Math Faculty, Diponegoro University, Jalan Prof. H.Soedarto, SH. Tembalang, Semarang, 50275, Indonesia

5th percentile
Citations in Scopus7.31
FWCI 9
Views count [View all metrics](#) [Full text options](#) [Export](#) **Abstract**

Indexed keywords

Sustainable Development Goals 2022

SciVal Topics

Metrics

Funding details

Abstract

Cancer causes many deaths in the world. One of the most dangerous types of cancer is skin cancer caused by cancer cells that grow and spread uncontrollably in the skin layers. There are an estimated that 100,000 new cases of skin cancer will occur in the United States, which will cause around 6000 deaths by 2020. The survival rate of people with skin cancer can increase if successfully treated at an early stage. Examination of the lesion or dermoscopy images takes a long time and is prone to errors due to differences of opinion by doctors. A computer program for image processing was developed to improve accuracy and efficiency that helps doctors diagnose and evaluate. The most crucial stage in the diagnosis process is the segmentation of skin lesions. Wrong segmentation results will affect

Cited by 5 documents

Research on water seepage detection technology of tunnel asphalt pavement based on deep learning and digital image processing

Li, J. , He, Z. , Li, D. (2022) *Scientific Reports*

Issues in Melanoma Detection: Semisupervised Deep Learning Algorithm Development via a Combination of Human and Artificial Intelligence

Zhang, X. , Xie, Z. , Xiang, Y. (2022) *JMIR Dermatology*

Integration of lncRNAs, Protein-Coding Genes and Pathology Images for Detecting Metastatic Melanoma

Liu, S. , Fan, Y. , Li, K. (2022) *Genes*[View all 5 citing documents](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)**Related documents**

Lightweight encoder-decoder model for automatic skin lesion segmentation

Wibowo, A. , Purnama, S.R. , Wirawan, P.W. (2021) *Informatics in Medicine Unlocked*

Sufficient Context for Real-Time Semantic Segmentation

Fan, B. , Wu, W. (2021) *Journal of Physics: Conference Series*


Dense Dual-Path Network for Real-Time Semantic Segmentation

Yang, X. , Wu, Y. , Zhao, J. (2021) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Authors](#) > [Keywords](#) >

accuracy at the classification stage. This study developed a segmentation model for a skin cancer image that uses the MobileNet model as an encoder block and Linknet model for a decoder block by selecting the best hyper-parameter value from several training scenarios. MobileNet encoder and Linknet as a decoder are known to have the same ability, which is to overcome the problem of computational efficiency without compromising accuracy. Four hyper-parameters used are learning rate, the number of epochs, image size, and using pre-trained or not. Besides, there is a performance comparison scenario between the MobileNetV1 and MobileNetV2 encoder blocks. The model trained using the 2017 ISIC Challenge dataset consisting of 2000 training data, 150 validation data, and 600 test data. The Intersection over Union score obtained was 71.5% from models trained with a hyper-parameter learning rate of 0.001, 50 epochs, with an image size of $256 \times 256 \times 3$, using a pre-trained model, and using a MobileNetV1 encoder block. The mask image that is the result of the segmentation of skin cancer images using the MobileNet encoder model and Linknet decoder is accurate enough to be used in the process at a later stage. © Published under licence by IOP Publishing Ltd.


Indexed keywords 

Sustainable Development Goals 2022 

 New

SciVal Topics 



Metrics 

Funding details 

References (19)

[View in search results format >](#)

All

CSV export   Print  E-mail  Save to PDF

Create bibliography

-
- 1 Guerra-Rosas, E., Álvarez-Borrego, J.
Methodology for diagnosing of skin cancer on images of dermatologic spots by spectral analysis ([Open Access](#))

(2015) *Biomedical Optics Express*, 6 (10), art. no. A021, pp. 3876-3891. Cited 17 times.
<http://www.opticsinfobase.org/boe/home.cfm>
doi: 10.1364/BOE.6.003876

[View at Publisher](#)

-
- 2 (2020) *Atlanta Am. Cancer Soc.* Cited 2 times.
Society A C

-
- 3 Binder, M., Schwarz, M., Winkler, A., Steiner, A., Kaider, A., Wolff, K., Pehamberger, H.
Epiluminescence Microscopy: A Useful Tool for the Diagnosis of Pigmented Skin Lesions for Formally Trained Dermatologists

(1995) *Archives of Dermatology*, 131 (3), pp. 286-291. Cited 448 times.
doi: 10.1001/archderm.1995.01690150050011

[View at Publisher](#)

-
- 4 Javed, R, Rahim, M S M, Saba, T, Rehman, A
(2020) *Netw. Model. Anal. Heal. Informatics Bioinforma*, 9, p. 1.
-

-
- 5 Masood, A, Al-Jumaily, A A
(2018) *Int. J. Biomed. Imaging*
-
- 6 Goyal, P.K., Nirvikar, Jain, M.K.
Computer-Aided Diagnosis of Melanoma Skin Cancer: A Review

(2018) *Lecture Notes in Networks and Systems*, 38, pp. 63-73. Cited 6 times.
springer.com/series/15179
doi: 10.1007/978-981-10-8360-0_6

View at Publisher
-
- 7 Yu, L., Chen, H., Dou, Q., Qin, J., Heng, P.-A.
Automated Melanoma Recognition in Dermoscopy Images via Very Deep Residual Networks

(2017) *IEEE Transactions on Medical Imaging*, 36 (4), art. no. 7792699, pp. 994-1004. Cited 675 times.
<http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=42>
doi: 10.1109/TMI.2016.2642839

View at Publisher
-
- 8 Ronneberger, O., Fischer, P., Brox, T.
U-net: Convolutional networks for biomedical image segmentation (Open Access)

(2015) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9351, pp. 234-241. Cited 34559 times.
<http://springerlink.com/content/0302-9743/copyright/2005/>
ISBN: 978-331924573-7
doi: 10.1007/978-3-319-24574-4_28

View at Publisher
-
- 9 Ramachandram, D, DeVries, T
(2017) *LesionSeg: Semantic segmentation of skin lesions using Deep Convolutional Neural Network*. Cited 7 times.
arXiv
-
- 10 Badrinarayanan, V., Kendall, A., Cipolla, R.
SegNet: A Deep Convolutional Encoder-Decoder Architecture for Image Segmentation (Open Access)

(2017) *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 39 (12), art. no. 7803544, pp. 2481-2495. Cited 9117 times.
doi: 10.1109/TPAMI.2016.2644615

View at Publisher
-
- 11 Zhao, H., Qi, X., Shen, X., Shi, J., Jia, J.
ICNet for Real-Time Semantic Segmentation on High-Resolution Images (Open Access)

(2018) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 11207 LNCS, pp. 418-434. Cited 181 times.
<https://www.springer.com/series/558>
ISBN: 978-303001218-2
doi: 10.1007/978-3-030-01219-9_25

View at Publisher
-

- 12 Paszke, A, Chaurasia, A, Kim, S, Culurciello, E
(2016) *ENet: A Deep Neural Network Architecture for Real-Time Semantic Segmentation*, pp. 1-10. Cited 1290 times.
-
- 13 Siam, M., Gamal, M., Abdel-Razek, M., Yogamani, S., Jagersand, M., Zhang, H.
A comparative study of real-time semantic segmentation for autonomous driving
(2018) *IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops*, 2018-June, art. no. 8575250, pp. 700-710. Cited 70 times.
<http://ieeexplore.ieee.org/xpl/conferences.jsp>
ISBN: 978-153866100-0
doi: 10.1109/CVPRW.2018.00101

View at Publisher
-
- 14 Howard, A G
(2017) *MobileNets: Efficient convolutional neural networks for mobile vision applications*. Cited 10365 times.
arXiv
-
- 15 Chaurasia, A, Culurciello, E
(2017) *IEEE Vis. Commun. Image Process. VCIP 2017*, pp. 1-4.
-
- 16 Rahman, M A, Wang, Y
(2016) *ISVC*, p. 1.
-
- 17 Bertels, J
(2019) *International Conference on Medical Image Computing and Computer-Assisted Intervention*, pp. 92-100.
-
- 18 Goyal, M., Oakley, A., Bansal, P., Dancey, D., Yap, M.H.
Skin Lesion Segmentation in Dermoscopic Images with Ensemble Deep Learning Methods (Open Access)
(2020) *IEEE Access*, 8, art. no. 8936444, pp. 4171-4181. Cited 138 times.
<http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639>
doi: 10.1109/ACCESS.2019.2960504

View at Publisher
-
- 19 Tang, P., Liang, Q., Yan, X., Xiang, S., Sun, W., Zhang, D., Coppola, G.
Efficient skin lesion segmentation using separable-Unet with stochastic weight averaging
(2019) *Computer Methods and Programs in Biomedicine*, 178, pp. 289-301. Cited 77 times.
www.elsevier.com/locate/cmpb
doi: 10.1016/j.cmpb.2019.07.005

View at Publisher

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

Copyright © Elsevier B.V. ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.



Source details

Journal of Physics: Conference Series

Scopus coverage years: from 2005 to Present

ISSN: 1742-6588 E-ISSN: 1742-6596

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Conference Proceeding

CiteScore 2021

0.8



SJR 2021

0.210



SNIP 2021

0.395



[View all documents >](#)

[Set document alert](#)

[Save to source list](#) [Source Homepage](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

Improved CiteScore methodology

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. [Learn more >](#)

CiteScore 2021

$$0.8 = \frac{74,925 \text{ Citations 2018 - 2021}}{96,702 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScoreTracker 2022

$$0.9 = \frac{88,857 \text{ Citations to date}}{95,386 \text{ Documents to date}}$$

Last updated on 05 March, 2023 • Updated monthly

CiteScore rank 2021

Category	Rank	Percentile
Physics and Astronomy		
General Physics and Astronomy	#195/240	18th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

Copyright © Elsevier B.V. ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.



also developed by scimago:



SCIMAGO INSTITUTIONS RANKINGS

SJR

Scimago Journal & Country Rank

Enter Journal Title, ISSN or Publisher Name



Home

Journal Rankings

Country Rankings

Viz Tools

Help

About Us

Explore Top Attractions
Viator

Journal of Physics: Conference Series

COUNTRY

United Kingdom

- Universities and research institutions in United Kingdom
- Media Ranking in United Kingdom

SUBJECT AREA AND CATEGORY

Physics and Astronomy
└ Physics and Astronomy (miscellaneous)

PUBLISHER

IOP Publishing Ltd.

H-INDEX

85

PUBLICATION TYPE

Conferences and Proceedings

ISSN

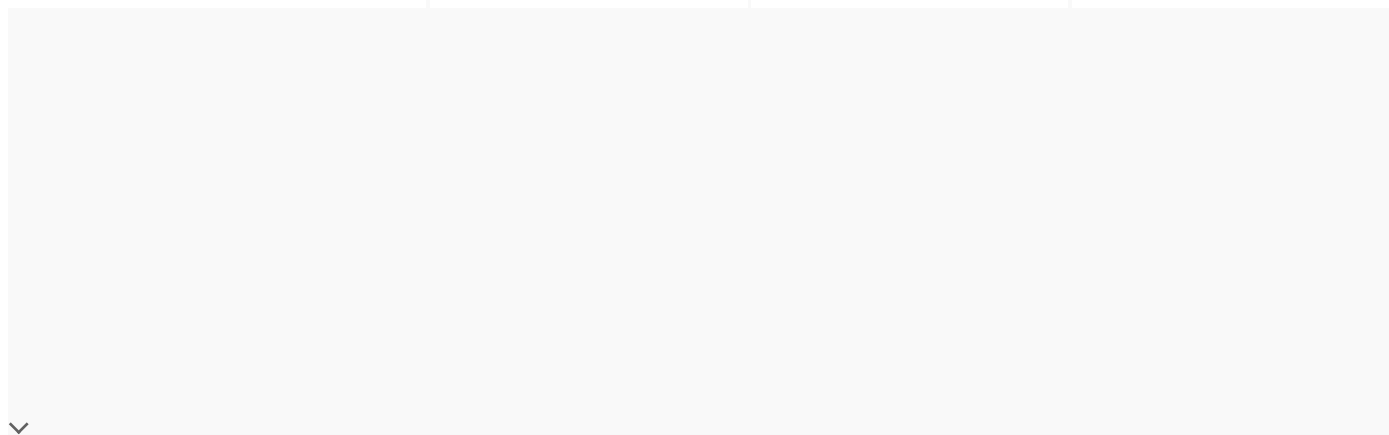
17426588, 17426596

COVERAGE

2005-2021

INFORMATION

[Homepage](#)
[How to publish in this journal](#)
jpcs@iopublishing.org



S&P Global
Market Intelligence

Don't just make sustainability progress. Measure it.





SCOPE

The open access Journal of Physics: Conference Series (JPCS) provides a fast, versatile and cost-effective proceedings publication service.


 Join the conversation about this journal

Detect QT Prolongation

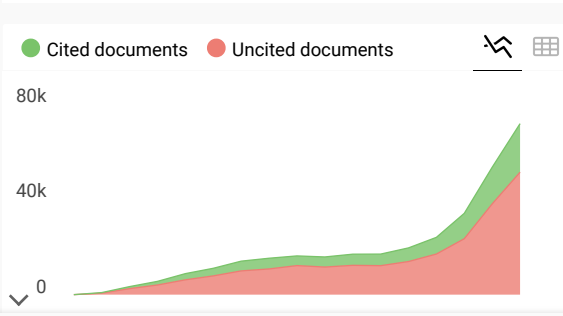
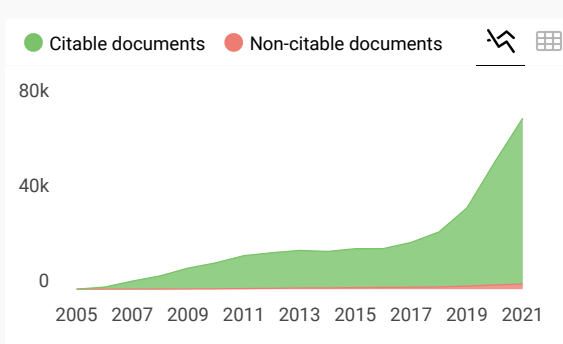
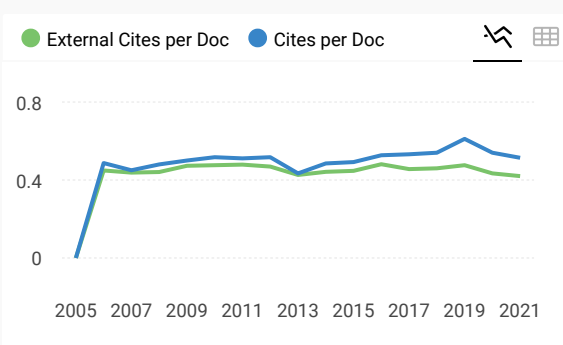
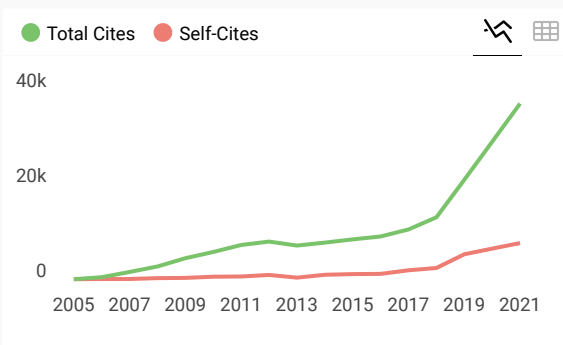
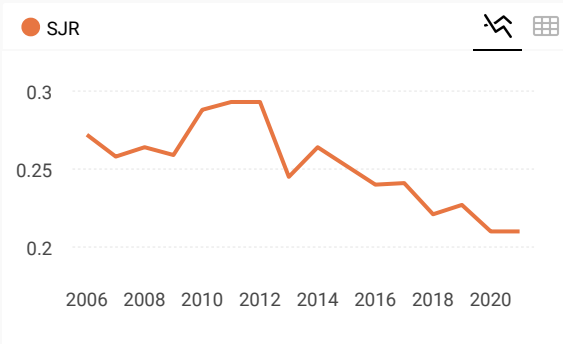
Identify the risk factors and causes of QTc prolongation

GE HealthCare

[Lea](#)

 Quartiles





Journal of Physics: Conference Series

Not yet assigned quartile

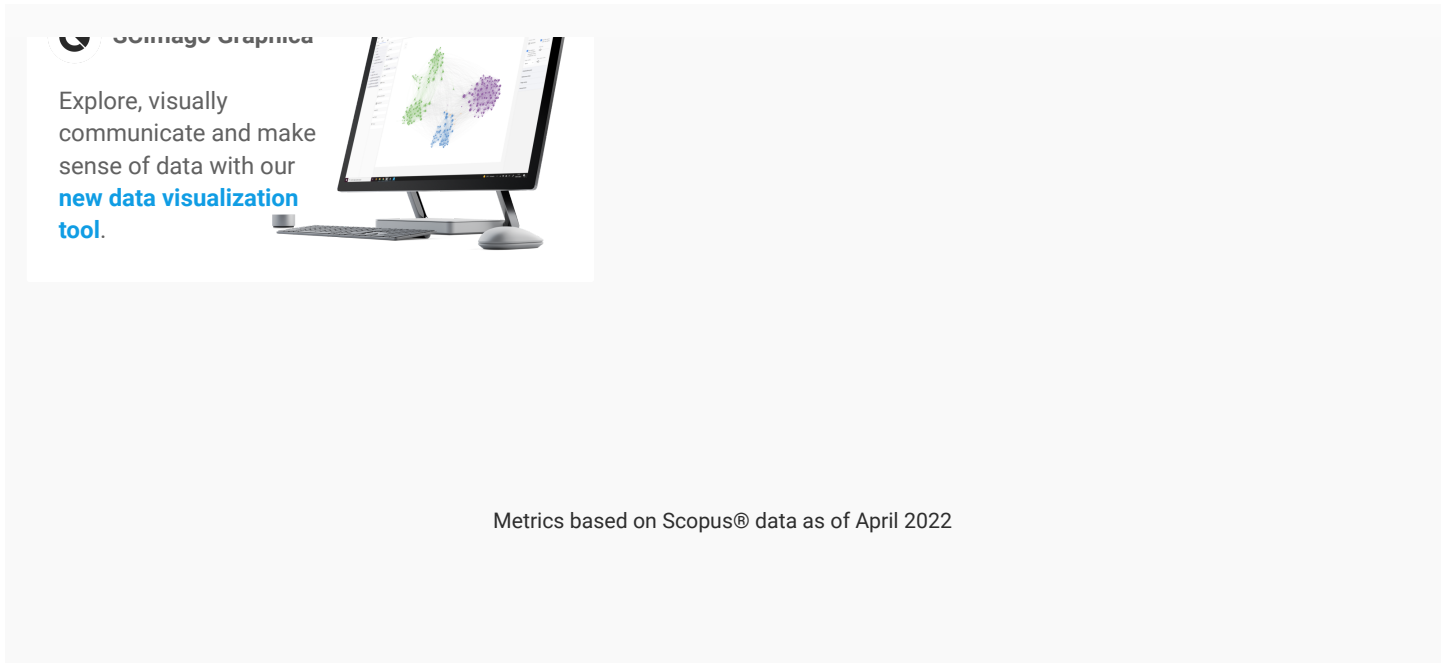
SJR 2021 0.21

powered by scimagojr.com

Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimaç
```



Scimago Graphica

Explore, visually communicate and make sense of data with our [new data visualization tool](#).

Metrics based on Scopus® data as of April 2022



Loading comments...

Developed by:  ScImago

Powered by:  Scopus

Follow us on @ScimagoJR

Scimago Lab, Copyright 2007-2022. Data Source: Scopus®

EST MODUS IN REBUS
Horatio (Satire 1,1,106)

[Cookie settings](#)

[Cookie policy](#)

Browser navigation bar with a dropdown arrow icon.

PAPER • OPEN ACCESS

Preface

To cite this article: 2021 *J. Phys.: Conf. Ser.* **1943** 011001

View the [article online](#) for updates and enhancements.

You may also like

- [The 8th International Seminar on New Paradigm and Innovation on Natural Science and Its Application](#)
- [LPHYS'13: 22nd International Laser Physics Workshop \(Prague, 15–19 July 2013\)](#)
Alexander V Yevseyev
- [International Seminar on Science Education](#)



244th Electrochemical Society Meeting

October 8 – 12, 2023 • Gothenburg, Sweden

50 symposia in electrochemistry & solid state science

▶ Deadline Extended!
Last chance to submit!

New deadline:
April 21
submit your abstract!



The 10th International Seminar on New Paradigm and Innovation on Natural Science and Its Application (10th ISNPINSA)

“Developing Innovations and Challenges in Science And Technology For Better Living”

September 24-25, 2020

PREFACE

The International Seminar on New Paradigm and Innovation of Natural Sciences and its Application (ISNPINSA) is an annual conference organized by the Faculty of Sciences and Mathematics (FSM), Diponegoro University (UNDIP), Semarang, Central Java, Indonesia. This seminar has been successfully conducted since 2011 and therefore becoming an annual event since then. This annual ISNPINSA has been intensively achieved high level improvement in strengthening the collaboration between scientists either from Indonesia or other countries, stimulating a new research partnership, and contributing to formulating policies to increase the important roles of science for the community.

The 10th ISNPINSA was held on September 24-25, 2020 with the theme of “DEVELOPING INNOVATIONS AND CHALLENGES IN SCIENCE AND TECHNOLOGY FOR BETTER LIVING”. Due to the outbreak of COVID-19, the conference process was carried out virtually using licensed Zoom media. The presentations were categorized into two terms, which were plenary presentation and parallel presentation. Keynote speakers were invited to deliver their expertise and research findings at the plenary presentation and each had given 1 hour of speech. While invited speakers together with all parallel presenters delivered their presentation in parallel session with time of speech including Q&A for each of 15 minutes.

The number of participants of the seminar were 313 including 7 keynote speakers, 5 invited speakers, presenters and non-presenters coming from various institutions of various countries consist of researchers, lecturers, postgraduate and undergraduate students from various universities. There were 263 papers presented in this seminar and after the review process, there are 199 articles to be published in the present conference proceeding. All published articles remain the sole responsibility of the author for the content of the paper.

We would like to take this opportunity to extend our appreciation to all keynote speakers and invited speakers for their valuable presentation. We also would like to thank all the authors for submitting and presenting their papers to our conference, the Organizing Committee members and the supporting staff for their hard work, as well as all the Scientific & Editorial Committee and the reviewers for their constructive recommendations and critical comments helped to improve of the submitted papers. All these contributions eventually make the 10th ISNPINSA 2020 a successful and fruitful event.

The 10th ISNPINSA 2020 Organizing Committee hopes you will enjoy reading this JPCS volume.

The Chairman,
Nor Basid Adiwibawa Prasetya, S.Si., M.Sc., Ph.D

PREFACE • The 10th ISNPINSA 2020



Content from this work may be used under the terms of the [Creative Commons Attribution 3.0 licence](https://creativecommons.org/licenses/by/3.0/). Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.

STEERING COMMITTEE & ADVISORY BOARD

Prof. Dr. Widowati, S.Si., M.Si., *Diponegoro University, Indonesia*
 Prof. Dr. Kusworo Adi, S.Si., MT., *Diponegoro University, Indonesia*
 Prof. Dr. Tri Retnaningsih Soeprbowati, M.Si., *Diponegoro University, Indonesia*
 Farikhin, S.Si., M.Si., Ph.D., *Diponegoro University, Indonesia*
 Prof. Wenny Rahayu, Ph.D., *La Trobe University, Australia*
 Prof. Toshioh Fujibuchi, *Kyushu University, Japan*

ORGANIZING COMMITTEE

Nor Basid Adiwibawa Prasetya, S.Si., M.Sc., Ph.D., *Diponegoro University, Indonesia* (Chairman)
 Dinar Mutiara Kusumo Nugraheni, S.T., M.InfoTech.(Comp)., Ph.D., *Diponegoro University, Indonesia* (Vice-Chairman I)
 Pandji Triadyaksa, S.Si., M.Sc., *Diponegoro University, Indonesia* (Vice-Chairman II)
 Dr. Di Asih I Maruddani, S.Si., M.Si., *Diponegoro University, Indonesia* (Member)
 Ratna Herdiana, M.Sc., Ph.D., *Diponegoro University, Indonesia* (Member)
 Nurdin Bahtiar, S.Si., M.Kom., *Diponegoro University, Indonesia* (Member)
 Alik Maulidiyah, S.Si. M.Sc., *Diponegoro University, Indonesia* (Member)
 Dra. Sri Harumaningsih, S.Si., M.IP., *Diponegoro University, Indonesia* (Member)
 Lilik Maryuni, S.E., M.Si, *Diponegoro University, Indonesia* (Member)
 Susilo Wanto, SH, *Diponegoro University, Indonesia* (Member)
 Herman Aprianto, S.Kom., *Diponegoro University, Indonesia* (Member)
 Choiriyah, SE, *Diponegoro University, Indonesia* (Member)
 Nur Azizah, SE, *Diponegoro University, Indonesia* (Member)
 Iys Syabilla Rusda, SIP, MIP, *Diponegoro University, Indonesia* (Member)
 Muhammad Fikri Mukhlisin, S.Kom., *Diponegoro University, Indonesia* (Member)
 Sofianingsih, AMd. (Member)

LIST OF REFEREES AND EDITORS

I. Team of Reviewers and Referees

1. Prof. Dr. Widowati, S.Si., M.Si, *Diponegoro University, Indonesia*
2. Dr. Eng. Adi Wibowo, S.Si., M.Kom, *Diponegoro University, Indonesia*
3. Dr. Drs. Sutimin, M.Si, *Diponegoro University, Indonesia*
4. Prof. Drs. Mustafid, M.Eng., Ph.D, *Diponegoro University, Indonesia*
5. Dr. Tarno, M.Si, *Diponegoro University, Indonesia*
6. Dr. Budi Warsito, M.Si, *Diponegoro University, Indonesia*
7. Dr. Di Asih I Maruddani, M.Si, *Diponegoro University, Indonesia*
8. Dr. Drs. Rukun Santoso, M.Si, *Diponegoro University, Indonesia*
9. Dr. Redemtus Heru Tjahjana, S.Si., M.Si, *Diponegoro University, Indonesia*
10. Dinar M.K.N., S.T., M.InfoTech.(Comp)., Ph.D, *Diponegoro University, Indonesia*
11. Dr. Dra. Tatik Widiharih, M.Si, *Diponegoro University, Indonesia*
12. Farikhin, M.Sc., Ph.D, *Diponegoro University, Indonesia*
13. Drs. Sapto P. Putro, M.Si., Ph.D, *Diponegoro University, Indonesia*
14. Dr. Jafron W. Hidayat, M.Sc., *Diponegoro University, Indonesia*

15. Dr. Munifatul Izzati, M.Sc, *Diponegoro University, Indonesia*
16. Dr.rer.nat. Anto Budiharjo, M.Biotech., Ph.D, *Diponegoro University, Indonesia*
17. Prof. Dr. Tri Retnaningsih Soeprbowati, M.Si, *Diponegoro University, Indonesia*
18. Dr. Endang Kusdiyantini, DEA, *Diponegoro University, Indonesia*
19. Prof. Dr. Hermin Pancasakti K., M.Si, *Diponegoro University, Indonesia*
20. Rully Rahadian, M.Si., PhD, *Diponegoro University, Indonesia*
21. Dr. Agung Janika Sitasiwi, M.Si, *Diponegoro University, Indonesia*
22. Dr. Erma Prihastanti, M.Si, *Diponegoro University, Indonesia*
23. Prof. Dr. Wahyu Setia Budi, MS, *Diponegoro University, Indonesia*
24. Prof.Dr. Muhammad Nur, DEA, *Diponegoro University, Indonesia*
25. Prof. Dr. Kusworo Adi, MT, *Diponegoro University, Indonesia*
26. Prof. Dr. Heri Sutanto, M.Si, *Diponegoro University, Indonesia*
27. Prof. Dr. Suryono, M.Si, *Diponegoro University, Indonesia*
28. Dr. Eng. Ali Khumaeni, M.E, *Diponegoro University, Indonesia*
29. Dr. Udi Harmoko, S.Si., M.Si., *Diponegoro University, Indonesia*
30. Dr. Rahmat Gernowo, M.Si., *Diponegoro University, Indonesia*
31. Prof. Toshioh Fujibuchi, *Kyushu University, Japan*
32. Ismiyanto, M.Si., Ph.D, *Diponegoro University, Indonesia*
33. Gunawan, PhD, *Diponegoro University, Indonesia*
34. Dr. Retno Ariadi Lusiana, M.Si, *Diponegoro University, Indonesia*
35. Nor Basid Adiwibawa Prasetya, S.Si., M.Sc., Ph.D, *Diponegoro University, Indonesia*
36. Adi Darmawan, S.Si, M.Si, PhD, *Diponegoro University, Indonesia*
37. Prof. Dr. M. Cholid Djunaidi, S.Si, M.Si, *Diponegoro University, Indonesia*
38. Dr. Yosie Andriani, *Universiti Malaysia Terengganu, Malaysia*
39. Nabeel Shaheen Mohammed, Ph.D., *Kirkuk University, Iraq*

II. Team of Technical Editors

1. Nor Basid Adiwibawa Prasetya, S.Si., M.Sc., Ph.D
2. Heri Sugito, S.Si., M.Sc.
3. Alik Maulidiyah, S.Si., M.Sc.
4. Damar Nurwahyu Bima, S.Si., M.Si.

LIST OF SPEAKER

I. Keynote Speaker

1. Prof. Hidetaka Arimura, Ph.D., *Kyushu University, Japan*
2. Prof. Wenny Rahayu, Ph.D, *La Trobe University, Australia*
3. Assoc. Prof. Jirawat Yongsawatdigul, Ph.D., *Suranaree University of Technology, Thailand*
4. Prof. Ming- Chien Su, Ph.D, *National Dong Hwa University, Taiwan*
5. Prof. Toshioh Fujibuchi, *Kyushu University, Japan*
6. Prof. Dr. Tri Retnaningsih Soeprbowati, M.App.Sc., *Diponegoro University, Indonesia*
7. Prof. Dr. Khairil Anwar Notodiputro, *Institut Pertanian Bogor University, Indonesia*

II. Invited Speaker

1. Assoc. Prof. Tianhai Tian, *Monash University, Australia*
2. Dr. Ibrahima Faye, *Universiti Teknologi Petronas, Malaysia*
3. Dr. Ahmad Suseno, M.Si., *Diponegoro University, Indonesia*
4. Dr. Tatik Widiharih, M.Si., *Diponegoro University, Indonesia*
5. Dr. Choirul Anam, M.Si., *Diponegoro University, Indonesia*

PAPER • OPEN ACCESS

Peer review declaration

To cite this article: 2021 *J. Phys.: Conf. Ser.* **1943** 011002

View the [article online](#) for updates and enhancements.

You may also like

- [Peer review declaration](#)

- [Peer review declaration](#)

- [Peer review declaration](#)



244th Electrochemical Society Meeting

October 8 – 12, 2023 • Gothenburg, Sweden

50 symposia in electrochemistry & solid state science

▶ Deadline Extended!
Last chance to submit!

New deadline:
April 21
submit your abstract!

Peer review declaration

All papers published in this volume of Journal of Physics: Conference Series have been peer reviewed through processes administered by the Editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing.

- **Type of peer review: Single blind**
- **Conference submission management system: via conference website and conference email**
- **Number of submissions received: 263**
- **Number of submissions sent for review: 233**
- **Number of submissions accepted: 185**
- **Acceptance Rate (Number of Submissions Accepted / Number of Submissions Received × 100): 70%**
- **Average number of reviews per paper: 1**
- **Total number of reviewers involved: 39**
- **Any additional info on review process:**
 1. **The review process was according to the guidelines given by JPCS.**
 2. **Plagiarism is prohibited.**
 3. **Reviews have been conducted by expert referees, who have been requested to provide unbiased and constructive comments aimed, whenever possible, at improving the work.**
 4. **In all cases at least minor revisions were required.**
- **Contact person for queries:**

Name : Nor Basid Adiwibawa Prasetya, S.Si., M.Sc., Ph.D.
Affiliation : Department of Chemistry, Faculty of Science and Mathematics,
Diponegoro University, Indonesia
Email : nor.basid.prasetya@live.undip.ac.id



Table of contents

Volume 1943

2021

◀ Previous issue Next issue ▶

10th International Seminar on New Paradigm and Innovation of Natural Sciences and its Application (ISNPINSA) 2020 24-25 September 2020, Indonesia

Accepted papers received: 27 May 2021

Published online: 14 July 2021

Open all abstracts

Preface

OPEN ACCESS 011001

Preface

+ Open abstract  View article  PDF

OPEN ACCESS 011002

Peer review declaration

+ Open abstract  View article  PDF

10th ISNPINSA

OPEN ACCESS 012001

Carrying capacity of mangrove tourism in the district of Cilamaya Wetan, Karawang regency, West Java province

A Kurniawansyah, T G Pin and N Rahatiningtyas

+ Open abstract  View article  PDF

OPEN ACCESS 012002

Groundwater quality of unconfined aquifer in Demak Regency, Indonesia

T T Putranto, N Susanto and D R Pangestuti

+ Open abstract  View article  PDF

OPEN ACCESS 012003

Goelectrical survey and groundwater chemical analysis in Sumowono Groundwater Basin

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies Policy

T T Putranto, N Susanto and D R Pangestuti



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012004

Re-modeling kaligarang fault base on satellite gravity data

R D Indriana, M I Nurwidyanto and S Widada

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012005

The complete bouguer anomaly changes in 2019 after explosive eruption of merapi in 2010

R D Indriana and M I Nurwidyanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012006

Selective mine plan based on coal quality distribution of Batu Ayau formation, Murung Raya-Central Kalimantan

N Qadaryati, R A Hapsari and W K Hidajat

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012007

The potential attractiveness of development mangrove ecotourism in Karawang regency

A P Hartati and T G Pin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012008

Spatial pattern of fishing activities at Yogyakarta waters (case study: fishers at Depok beach, Parangtritis village, Bantul regency)

M Fadlullah, D Susiloningtyas and T Handayani

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012009

Analysis of shoreline changes using the bilko method on landsat imagery in Karawang regency (1999-2019)

Y P Arum

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012010

Phonon polaritons in a bilayer ferroelectrics structure with a polarization coupling at the interface

V Gunawan, A Subagio and N A K Umiati

[+ Open abstract](#) [View article](#) [PDF](#)


This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



-
- OPEN ACCESS** 012011
Synthesis and magnetic properties of ferromagnetic W-type hexaferrite by mechanical milling route
Priyono, I Nurhasanah, A Subagio, J E Suseno and H Sutanto
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012012
High fluorescent carbon dots/Ag as a sensitive sensor for tetracycline waste in aqueous solution
I Alkian, H Sutanto, H Hadiyanto, E Hidayanto, H P Hapsari, A A Wibowo, A N Syahida and F D D Irianti
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012013
Synthesized and characterization nanosized synthesis Fe₃O₄ powder from natural iron sand
A N Syahida, H Sutanto, I Alkian, F D D Irianti, A A Wibowo and P Priyono
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012014
Characterization structure of Fe₃O₄@PEG-4000 nanoparticles synthesized by co-precipitation method
F D D Irianti, H Sutanto, P Priyono, A A Wibowo, A N Syahida and I Alkian
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012015
The effect of 6 hours stirring time on natural iron sand base on magnetic Fe₃O₄ nanoparticle by sonification
A A Wibowo, H Sutanto, P Priyono, A N Syahida, F D D Irianti and I Alkian
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012016
Online monitoring of water pollution level based on dissolved oxygen (DO) and biochemical oxygen demand (BOD) using wireless sensor system
W H Sugiharto, M I Ghazali, S Suryono, H Susanto and M A Budihardjo
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012017
The effect of lard concentration and ozonation on changes in polarization angle of olive oil
F A Saputra, M Azam, F Arianto, K F Sofjan, H Sugito and I Alkian
[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).



-
- OPEN ACCESS** 012018
Modification of the analyzer on electrooptics for cooking oil quality testing
H Sugito, G N Utomo, K S Firdausi, S Sumariyah and A Khumaeni
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012019
Measurement performance quality of services (QoS) to optimizing on wireless sensor network topology for water pollution monitoring system
M I Ghozali, W H Sugiharto, H Susanto, M A Budihardjo and S Suryono
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012020
Influence of the calcination temperature on the formation of precipitated ZnO:Ce nanocrystal by employing ultrasound irradiation
S Rohmaniah and I Nurhasanah
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012021
A study of relative dissociation energy through electro-optics effect as a potential tool for evaluation of cooking oil quality
A Septiani, G N Utomo, Sumariyah, V Richardina, H Sugito, M Azam, Q M B Soesanto and K S Firdausi
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012022
Design of overloading detection systems on vehicles using adruino
M Z Rohim, E Wijayanti and A C Murti
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012023
The acceleration of water absorption time in natural silk fabrics (*Bombyx Mori*) irradiated with positive and negative corona plasma discharges at atmospheric pressure
Z Muhlisin, M K Nugraha, I Rahmawati, F Arianto, N A K Umiyati and P Triadyaksa
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012024
Effect of variations in milling speed with high energy milling treatment on surface area of biochar material
A Subagio, N A K Umiati, M A Kholil, S D Ratih, W Purbalisa, S Wahyuni and D M W Paputri
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012025
This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy. 

PV/T solar collector performance evaluation: generation of fuzzy rules by using weighted subethood-based algorithm

N N W Khalili, M Othman, M N A Bakar, L Abdullah and N Ramli

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012026

Integrated survey to identify potential groundwater aquifers in Jabungan Semarang using geoelectric and microtremor methods

G Yuliyanto and M I Nurwidyanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012027

Analysis of landslide in Bungkah, Sepakung, Banyubiru using ground shear strain method and shear wave profile from HVSR method

G Yuliyanto and M I Nurwidyanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012028

Correlation of Vp/Vs ratio against the resistivity value to determine the aquifers presence estimation in jetak sub-village, getasan sub-district, Semarang regency

T Yulianto, D P Sasongko, G Yulianto, R D Indriana, A Setyawan and S Widada

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012029

Atmospheric dynamics and early warning system low level windshear for airport runway hazard mitigations

R Gernowo, A Subagio, K Adi, A P Widodo, C E Widodo and A B Putranto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012030

Hydrocarbon identification by evaluating anisotropy parameters estimated from crosswell seismic data

T Suroso, W Triyoso and A Priyono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012031

Determining the hydrothermal flow media using seismicity properties in Kaliulo geothermal field, Semarang, Central Java, Indonesia

U Harmoko, R Gernowo and G Yuliyanto

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).

012032

Estimation of landslide prone zones around the Semarang Fault based on by combining the slope stability analysis and HVSR microtremor methods

M N Irham, T Yulianto, G Yuliyanto and S Widada

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012033

Measurement of ground response of Semarang coastal region risk of earthquakes by Horizontal To Vertical Spectral Ratio (HVSR) microtremor method

M N Irham, M Zainuri, G. Yuliyanto and A Wirasatriya

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012034

Detecting hot spring manifestations based on gravity data satellite on mountain Lawu

A Setyawan, L M Khusna, J E Suseno, D I Rina, T Yulianto and Y Aribowo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012035

Spintronic terahertz emission from Ni/Pt bilayer grown on MgO

J P Ferrolino, N I Cabello, A De Los Reyes, V K Mag-Usara, J P Afalla, H Bardaloza, I C Verona, M Talara, H Kitahara, A Somintac *et al*

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012036

Development and evaluation of a computer based test for anatomy radiographic course examination

R Indrati, A H Sulistiyadi, S Mulyati, S Daryati and B Setyawan

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012037

Information system for diagnosing Neonatal Jaundice using rule-based algorithm

D Anggraini, M N Widyawati and S Suryono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012038

Information system for diagnosis in pregnant chronic energy deficiency using a rule based system algorithm

R P Sustamy, M N Widyawati and S Suryono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012039

This site uses cookies. By continuing to use this site, you agree to our use of cookies. To find out more, see our Privacy and Cookies policy (MRCPP)



H S Utami, D K Mulyantoro and F Fatimah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012040

Image quality radiographic testing on the making of trabeculae genu phantom by using ingredients surfactant

M Sofyan and A O Hidayati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012041

Anatomic information of urinary tract MSCT using tracking and intravenous urography in case of urolithiasis

N Sulaksono, A Kurniawati and M Jannah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012042

Analysis of image information of diffusion weighted image (DWI) MRI on stroke ischemic using unsharp mask technique

A Mahanani, M C Anwar, Y Kartikasari and R Indrati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012043

Application of intensity transfer function (ITF) on MRI ekstremitas with soft tissue tumor to improve image quality

I A N Liscyaningsih, D K Mulyantoro, J Ardiyanto and Y Kartikasari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012044

The effect of magnification technique on the optical density and size of object on mammography

E Setiawati, Z Arifin, M P Emisen, C Anam and A Margiantono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012045

Tomographic system for transparent objects using visible light as a source of radiation

C E Widodo and K Adi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012046

Evaluation of doses distribution in breast cancer mastectomy using SlicerRT

Theresia A P Hidayati, Aisyah S, R Anandya, A S Prasetyo, E Indarto, A Ningsilato, A R Ubayanto, Nasori and M Haikal

For more information, please contact our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012047

Analysis study of doses distribution in lung cancer using 3D Slicer

R Amaliya, St Aisyah, A P Hariyanto, F Jannah, A Sarasechan, Nasori, A Rubiyanto, M Haekal, Endarko and A Nainggolan

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012048

Optimization dose and image quality enhancement of ct scan with back projection filters on the use of automatic exposure control

L Fitriana, K Adi and J Ardiyanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012049

Application of spectral subtraction denoising on 3 T MRI in lumbar spine (herniated nucleus pulposus case) GRAPPA to improve CNR

I Maulidya, Fatimah and G Santoso

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012050

Determination of effective dose distribution on the target volume of cancer and organ at risk using MCNPX

A Y Wardaya, E Setiawati, F Arianto, V Richardina, R Almareanta and A Margiantono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012051

Comparative in anatomical information and artifacts between T2W TSE Cartesian sequences and T2W TSE BLADE sequences on axial cervical MRI examinations

E Murniati, D Rochmayanti and T Purnomo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012052

The role T1-weighted fluid attenuated inversion recovery (FLAIR) post contrast enhancement to improve image quality on MRI brain

R O Silfina, R Indrati and L R W Utami

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012053

Radiation dose reduction on cervical spine radiographic examination by using posteroanterior oblique projection

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012054

Analysis of flip angle (fa) toward image anatomical information in sagital t2* w merge: (study of knee joint magnetic resonance imaging in anterior cruciate ligament tear case)

D Dartini, A Deofantri, A N Kurniawan, A H Sulistiyadi and B D Handoko

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012055

Potential scattering radiation exposure for radiation workers on eye in the cath lab room

Z Arifin, E Setiawati, A Putri, E Hidayanto, Heriyani, A D Reskianto and Rusmanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012056

Investigation of a method for creating neonatal chest phantom using 3D printer

T Fujibuchi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012057

Development of scattered radiation distribution visualization system using WebAR

K Nishi, T Fujibuchi and T Yoshinaga

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012058

Basic study on evaluation of X-ray dose distribution using plastic scintillator plate and digital CMOS camera

H Yoshitani, T Fujibuchi and C Anam

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012059

Molecular identification of inulinolytic yeast isolated from cherry fruit (*Muntingia calabura L.*) based on internal transcribed spacer sequence

T Erfianti, W Wijanarka and H P Kusumaningrum

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012060

Molecular and phylogenetic analysis of inulinase-producing yeast isolated from nira siwalan (*Borassus flabellifer*) based on ITS sequences

D A Maryati, Wijanarka and R S Ferniah

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



-
- OPEN ACCESS** 012061
The anatomic response of the mangrove vegetation due to the changing in land functions
E Prihastanti, E D Hastuti, S Haryanti and S P Purnomo
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012062
The development and the growth of salak pondoh fruit (*Salacca edulis* L.) planted using different planting methods
E Prihastanti and S Haryanti
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012063
Digestion diatom using Battarbee and Ruhland methods for Pengilon Lake, Dieng, Wonosobo, Central Java, Indonesia
S Rosyada and T R Soeprbowati
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012064
The effect of coconut sap amount and salt texture on the protein content and total bacterial number in *ina sua*
S C Wattimena, J S Temartenan and K J Lesbatta
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012065
Characterization of green silver nanoparticles of *Graptophyllum pictum* leaf extract: from the localized surface plasmon resonance to the antimicrobial activity
S C Wattimena, D R Silooy and P J Patty
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012066
Isolation, antibacterial activity, and molecular identification of endophytic fungi from *Pogostemon cablin*
N A Pratama, M M Widyarifa, S L Farikha, H P Kusumaningrum and Y Eshananda
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012067
Study of the pineapple peel vinegar potency in restoring the gonadosomatic index of the diabetic rats
A J Sitasiwi, S N Jannah, S Isdadiyanto, T Annisa, C M Hermawati, A M Sari and M A D Putra
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012068
See our Privacy and Cookies policy.

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more,

See our Privacy and Cookies policy.

012068

Chiroptera population as bioindicators of urbanization and fragmented habitat in West Java

A Basukriadi, E Nurdin, A Adiwibowo, N I Kamilia, P Jason, P Roebert, B G Ulibasa, T N S Suryaatmaja and R H G Tobing

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012069

Abundance and composition of phytoplankton communities in middle stream of Citanduy river, West Java

S Sawestri and A H Rais

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012070

Formulation and optimization of alternative culture media for probiotic bacteria growth using tofu liquid waste

S N Jannah, S Pujiyanto, E Rosiana and S Purwantisari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012071

Characteristics of liquid organic fertilizer from different composition types of seaweed between *Gracilaria* sp. and *Sargassum* sp.

A R Tsaniya, E N Dewi and A D Anggo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012072

Potential of water hyacinth (*Eichhornia crassipes* (Mart.) Solms) in Rawapening lake as raw material for fish feed

S Prasetyo, S Anggoro and T R Soeprobowati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012073

Does moringa oleifera leaf nanoparticles increase albumin levels in stunting toddlers?

S D Gustiya, S Hadisaputro and S Sumarni

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012074

Molecular genetics of osteogenesis imperfecta

R S Moekti, M G S Hanafi, F Jazaldi, F P Gultom and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012075

The transition of R. By continuing to use our site, you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



M I Surya, D Destri and L Ismaini

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012076

Phenetic analysis of turkey berry (*Solanum torvum* Sw.) based on morphological character in Semarang region

M Martina, J Jumari and M Murningsih

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012077

Species diversity and dominance of Oligochaeta in copper and cadmium polluted soil

M Ulfah, S Anggoro, T R Soeprbowati and S Syafrudin

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012078

Use of periodically hCG hormones injection for the gonadal development of java barb (*Puntius javanicus*) as bioreproduction applied on aquaculture

R A Nugroho, T Yuniarti, F Basuki, S Hastuti and Listiarini

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012079

Application of Doyle and Doyle method for DNA isolation from pameloo yellow orange (*Citrus maxima* Merr), lime orange (*C. limon*) and sunkist orange (*C. sinensis*)

S N Mawarni, D Khairunnisa, I Larasati, N Rizqo, T Erfianti, H P Kusumaningrum, R S Ferniah and S Pujiyanto

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012080

Improvement of the potency of microalgae *Nannochloropsis* and *Chaetoceros* through antioxidant analysis and optimization of DNA isolation

M I Zulkarnain, H T Rahayu, A P Herida, T Erfianti, H P Kusumaningrum, M Zainuri, H Endrawati, I Widowati, W D U Haryanti and R T Mahendrajaya

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012081

DNA isolation of clove and lemongrass using modification of the Doyle and Doyle methods and their relation with antioxidant activity

H A Listyanto, I M Muhammad, T Erfianti, A P Herida, H P Kusumaningrum, B D Loka and E Setyowati

[+ Open abstract](#)
[View article](#)
[PDF](#)
OPEN ACCESS

012082

The growth rate of inulinolytic yeast isolates from yam (*Baccharis prostrata* L.) and their inulinase production capability.



Wijanarka, I Rukmi and S Purwantisari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012083

The performance of survival and immunity of catfish (*Clarias gariepinus*) juvenile infected by *Aeromonas hydrophila* after treated by prebiotic extract in the diet

S B Prayitno, S Riyadi, Sarjito and Desrina

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012084

The Genetic, Epigenetic, and Environmental Factors of Dental Abnormalities Development: Literature Review

Y C Hendrik, K S Langit and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012085

Molecular genetics and epigenetics of temporomandibular disorder

M Antolis, K S Langit, F P Gultom and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012086

Bitemark pathobiology

Harismanto, M G S Hanafi and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012087

Intron 4 VNTR A/B polymorphism of endothelial nitric oxide synthase gene in periodontitis

L W Pradita, D N Kamilla, N Soedarsono, L Yunaini and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012088

Genetic and epigenetic of pain perception

M S Nugroho, D N Kamilla and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012089

Van der woude syndrome

T Elien, D N Kamilla and E I Auerkari

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



OPEN ACCESS

012090

Distribution of wingless type 3a (Wnt3a) Rs 752107 gene polymorphism on orofacial cleft patients

U T H Simbolon, I R N Alima, K R Kim, M Yuniastuti, A W Suhartono and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012091

Genetics and epigenetics of class II and class III malocclusions

M Subono, I R N Alima and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012092

Genetics of ehlers-danlos syndrome

M Rosita, I R N Alima and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012093

Vitamin D receptor *TaqI* (rs731236) gene polymorphism in caries patients

A Z Gani, P K Zahra, N Soedarsono, L Yunaini and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012094

A Review of campomelic dysplasia syndrome

N Larasati, P K Zahra and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012095

Genetic contributions to craniofacial growth: a review

A T Andriani, P K Zahra and E I Auerkari

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012096

Chemical compounds in essential oil of nutmeg leaves (*Myristica fragrans*) from Batang Indonesia

H P Kusumaningrum, M Zainuri, H Endrawati, B D Loka, I N Widiassa and E Sulistyowati

[+ Open abstract](#)[View article](#)[PDF](#)

OPEN ACCESS

012097

Isolation and molecular identification of thermophilic bacteria from litter of mount Galunggung hot spring, Tasikmalaya, Indonesia

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012098

Production of γ -Aminobutyric Acid (GABA) by *Monascus Purpureus* isolated from Angkak, a mold isolated from Angkak in Semarang, Indonesia

E Kusdiyantini, Nurhayati and R S Ferniah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012099

Antibacterial activity of a thermophilic actinobacterium *Streptomyces cellulosa* SL2-2-R-9 on different growth media

D C A F Sari, F Ningsih, S Yabe, A Yokota, A Oetari and W Sjamsuridzal

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012100

The challenges of paleolimnology Indonesia

T R Soeprbowati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012101

Open Source network boot server for low-cost computer network learning

G Aryotejo and M Mufadhol

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012102

Comparison of double exponential smoothing and triple exponential smoothing methods in predicting income of local water company

D M Khairina, Y Daniel and P P Widagdo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012103

Proposed technical activity on requirement engineering process

A P Widodo, R Kusumaningrum, S N Endah and S Adhi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012104

Emergency Service Search using Ant Colony Optimization Algorithm and AHP-TOPSIS Method

M R Ibrahim, J E Suseno and B Surarso

[+ Open abstract](#) [View article](#) [PDF](#)


This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



-
- OPEN ACCESS** 012105
Business architecture and information system architecture design in savings and payment unit Koperasi Pegawai Republik Indonesia (KPRI) Diponegoro University using TOGAF 9 framework
B Noranita, D M K Nugraheni, M I Fitriyani and Y Nurhayati
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012106
Decision support system to provide business feasibility analysis for batik entrepreneur in Lasem
R Nindyasari, T Khotimah and N Ermawati
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012107
Automatic speech recognition by using local adaptive thresholding in continuous speech segmentation
S N Endah, R Kusumaningrum, S Adhy and R A Ulfattah
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012108
Analysis of factors that influence satisfaction and usefulness for attendance system with the Delone & McLean model (case study: attendance system at Diponegoro University)
D M K Nugraheni and S F Bayastura
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012109
The level of acceptance of the child growth and development information system
F Agushyana, A Sadida and N R Ayuningtyas
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012110
Decision support system for handling intervention on toddlers stunting cases in Indonesia using the certainty factor method
I W Sutoyo, A P Widodo and A F Rochim
[+](#) Open abstract [View article](#) [PDF](#)
-
- OPEN ACCESS** 012111
Design data collection tool and weighting classification of authors in their scholar outputs based on percent-contribution-indicated (PCI) method
A F Rochim, T Nugraha, A P Widodo, D Eridani and K T Martono
[+](#) Open abstract [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).



-
- OPEN ACCESS** 012112
Heuristic evaluation and analytical network process for analyzing the role of websites in higher education
F Yani, O D Nurhayati and A P Widodo
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012113
Image segmentation of skin cancer using MobileNet as an encoder and linknet as a decoder
M Widiansyah, S Rasyid, P Wisnu and A Wibowo
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012114
Fisheries waste handling to enhanced fishers society economic growth: blue growth initiative perspective
D A A N Dewi, F X Sugiyanto and D D Iskandar
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012115
Convolution properties of bounded analytic function classes with higher and complex order defined by q - derivatives operator
E E Ali and R M El-Ashwah
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012116
Commutative symmetric element in a ring with involution
T Udjiani and Suryoto
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012117
Mathematical model of ships convoy in delivery of goods
R H Tjahjana
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012118
Stability analysis of a tuberculosis epidemic model with nonlinear incidence rate and treatment effects
N Qomariyah, Sutimin, R Herdiana, R H S Utomo and A H Permatasari
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012119
This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy. 

Fuzzy time series based on frequency density-based partitioning and k-means clustering for forecasting exchange rate

U S Mukminin, B Irawanto, B Surarso and Farikhin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012120

Local stability analysis for tuberculosis epidemic model with different infection stages and treatments

N A Lestari, Sutimin, S Khabibah, R H S Utomo, R Herdiana and A H Permatasari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012121

Modification frequency density with euclid distance classify for weather forecasting

R Wulandari, B Surarso, B Irawanto and Farikhin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012122

Predict recovery risk rate of Covid-19

R Wulandari, B Surarso, B Irawanto and Farikhin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012123

System dynamic modelling for sword and white pomfret fish resources at Depok coast, Bantul

D Susiloningtyas, H Tasman, T Handayani and A Aulia

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012124

A convergence theorem on the dunford integral

Solikhin, A Aziz, YD Sumanto and SU R Heri

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012125

Properties of the matrix from Kronecker product on the representation of quaternion group

Ahsan, Y Yanita and S Bahri

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012126

Bounded variation functions and some properties on metric spaces

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012127
Forecasting model of Covid-19 cases using fuzzy time series using percentage change
A A Husain, B Surarso, Farikhin and B Irawanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012128
Fuzzy time series Markov Chain and Fuzzy time series Chen & Hsu for forecasting
Zaenurrohman, S Hariyanto and T Udjiani

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012129
The time series clustering of stock price in LQ45 index and its financial performance analysis
Afrimayani and D Devianto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012130
Application of Fuzzy AHP and Fuzzy TOPSIS methods for the new normal problem
E Y Utomo, T Udjiani and B Surarso

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012131
Analysis of a mathematical model in the spread of tuberculosis epidemic with vaccination and relapse effect
A N Ifati, Sutimin, R Herdiana, R H S Utomo and A H Permatasari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012132
Local stability analysis for tuberculosis epidemic with SI_1I_2R model
F A Taqiya, Sutimin, R H Tjahjana, R H S Utomo, R Herdiana and A H Permatasari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS 012133
Individual self-development information system based on the evaluation of civil servant performance appraisal with ELECTRE method and profile matching
A N F I Pertiwi, B Surarso and Farikhin

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).

Primitive function of the Dunford integral

A Aziz, Solikhin, Y D Sumanto and R S U Heri

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012135

Logistic regression model on land productivity of Pagar Alam coffee farming

Irmeilyana, Ngudiantoro, M N Samsuri and B Suprihatin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012136

Optimal decision under fuzzy uncertainty for order allocation planning with uncertain parameters: single period case

W Widowati, Sutrisno and R H Tjahjana

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012137

Convergence of the 3-point block backward differentiation formulas with off-step point for stiff ODEs

H Soomro, H Daud and N Zainuddin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012138

Implementation of an optimal control for reducing individuals infected by hepatitis B virus

Z Aminatun, Widowati and Solikhin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012139

Mathematical modeling and analysis of COVID-19 transmission dynamics in Central Java Province, Indonesia

U A Fitriani, Widowati, Sutimin and P S Sasongko

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012140

The determinant of hours of work (the empirical case for Indonesian old-age)

S Subanti, A L Riani, E P Lestari, A R Hakim and S Susiyanti

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012141

Generalizations of pareto distribution with applications to lifetime data

H Hajar Ahmad and E Almetwally

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012142

Height wave modelling using spatial extreme value with max stable process (MSP) brown-resnick model

A R Hakim, B Warsito and H Yasin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012143

Measuring risk based on skewed t distribution approach

E Sulistianingsih, D Rosadi and Abdurakhman

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012144

Tchebycheff system and its application to construct the minimally supported design for generalized exponential model

T Widiharah, Mustafid, Sudarno and A Prahutama

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012145

Numerical approach nonminimally supported design for two parameters generalized exponential model and its efficiency

T Widiharah, Mustafid, Sudarno and A Prahutama

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012146

Variance gamma for stock model performance with excess kurtosis

A Hoyyi, Tarno, D A I Maruddani and R Rahmawati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012147

Sentiment analysis of e-commerce application in Traveloka data review on Google Play site using Naïve Bayes classifier and association method

V Oktaviani, B Warsito, H Yasin, R Santoso and Suparti

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012148
















Robust regression with MM-estimator for modelling the number maternal mortality of pregnancy in Central Java, Indonesia

A Prahutama and A Rusgiyono

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



-
- OPEN ACCESS** 012149
 Determination of non-poison queue system of distribution in the public service sector
 (case study: Semarang city population and civil registry office)
 Sugito, A Prahutama, D Ispriyanti and Mustafid
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012150
 Analysis of bayesian method in queuing system customer service locket Semarang
 Tawang railway station
 Sugito, Mustafid, A Prahutama, B Warsito and A A Salsabela
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012151
 Analysis of geometric and weibull queuing model (case study: customer service and
 electronic ID card recording counters at Dispendukcapil of Semarang City)
 Sugito, A Prahutama, Mustafid, D Ispriyanti and L N Dewi
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012152
 Determination parameter of exponential function based positive number
 Sudarno and T Widiharah
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012153
 Study of factors caused diabetes mellitus and stroke diseases toward gender
 Sudarno and T Widiharah
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012154
 Application of Clayton Copula to identify dependency structure of Covid-19 outbreak
 and average temperature in Jakarta Indonesia
 P Novianti, S H Kartiko and D Rosadi
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012155
 Graphical interface of geographically weighted negative binomial regression (GWNBR)
 model using R-Shiny
 H Yasin, I Suryani and P Kartikasari
 + Open abstract  View article  PDF
-
- OPEN ACCESS** 012156
 The use of fuzzy and Coltrien polyn 
 The use of Profactorial Coltrien polyn

Mustafid, I Yulvia, D Ispriyanti, Sugito and A R Hakim

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012157

Analysis of relationship between mangrove ecology to fish cultivator in Kertomulyo, Pati

A P Putri, D Susiloningtyas and T Handayani

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012158

Development of R-Shiny interface for implementation of backpropagation neural network model in breast cancer classification

G Islahuzaman, R Santoso, B Warsito, D Ispriyanti and H Yasin

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012159

Modification of activated carbon of rice husk using HDTMA-Br (SMAC) surfactant as nitrite ion (NO_2^-) adsorbent

Arnelli, B Santoso and Y Astuti

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012160

Rainfer: fertilizer production using rainwater as raw material

B Zaman, D S Handayani and Purwono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012161

The technology of rob water treatment becomes clean water by using the combination of electrolysis, filtration, and ozonation methods

Y Wahyono, T T Nofanda, I Budiyanto, H Nugroho, M S Rosyad, M A R Halim, I Riski, A Amilia,

D F Rahmawati, A H Nurauliyaa *et al*

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012162

The influence of polyethelene glycol concentration on silica xerogel synthesis from geothermal sludge to Pb(II) ions adsorption

Pardoyo, C Azmiyawati, S Ningsih, Suhartana and M C Djunaidi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012163

Probing the interaction of HAV4 peptide (Ac-SHAVAS-NH₂) with E-cadherin domain

EG1-EG2 by molecular docking
This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#)

S A Syafalan, D Hudyanti, M Asy'ari and P Siahaan



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012164

Synthesis of chitosan-salicylaldehyde/vanillin Schiff base as antibacterial active compound on cotton fabrics

Ismiyarto, W S Handayani, Ngadiwiyana, P R Sarjono and N B A Prasetya

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012165

Encapsulation of bromelain in alginate-carboxymethyl cellulose microspheres as an antiplatelet agent

L Wijayanti, S Setiasih and S Hudiyo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012166

Sorption of waste lubricant oil spills from seawater using natural hollow fibres

A Sukmawati, W Septiani and M D Surkardan

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012167

Fe (III) adsorption using Fe (III) ionic imprinted polymer from polyeugenoxo acetate crosslinked with ethylene glycol dimethacrylate (EGDMA)

M C Djunaidi, A Q Aini, D S Widodo, R A Lusiana and A Suseno

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012168

Adsorption of Fe (III) metal ion by ionic imprinted polymer (IIP) method with poly (ethylene glycol) diglycidyl ether (PEGDE) as a crosslinker

M C Djunaidi, W Fitriana, R A Lusiana and A Suseno

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012169

Solanum lycopersicum and *Daucus carota*: effective anticancer agents (a mini review)

O T Ademosun, A H Adebayo and K O Ajanaku

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012170

Electrocoagulation and electro fenton and their applications in the processing of lindi water from landfill waste in campus area of Diponegoro University

Suhartana and Pardoyo

[+ Open abstract](#) [View article](#) [PDF](#)

By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



-
- OPEN ACCESS** 012171
The protection of fish gelatine and arabic gum as coating materials to the quality chlorophyll *Caulerpa racemosa* encapsulation
E N Dewi, N E Perdana and L Purnamayati
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012172
Antimicrobial activity of secondary metabolites of endophytic bacteria F4 of papaya leaf (*Carica papaya* L)
P R Sarjono, D Silvia, N S Mulyani, Ismiyanto, Ngadiwiyana, N B A Prasetya and Yosie Andriani
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012173
Analysis proximate of sargassum seaweed sp
S Winarni, M Zainuri, H Endrawati, F Arifan, A Setyawan and A P Wangi
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012174
Effect different sampling times of *Ulva sp* on polysaccharide sulfated content
E Sinurat, R Kusumawaty, D Fransiska and Sihono
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012175
Physicochemical characterization of kappa-iota carrageenan gel with papain enzyme
D Fransiska, B S B Utomo, M Darmawan, D Gozali and M N Iqbal
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012176
Effect of chitosan as adsorbent to bacto agar quality from *Gelidium sp.*
M Darmawan, H W Siswanti, Nurhasni and D Fransiska
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012177
Synthesis of self-electrostatic interaction chitosan-carrageenan membrane and its properties
N Ismillayli, S Hadi, I G A S Andayani, R Honiar, B Mariana, R K Sanjaya and D Hermanto
[+ Open abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012178
Performance evaluation of 2-C-470 compressor of gas recycle process at PT. Lotte
S Silviana, A Siregar, I Mutaqin and R M Dikrama



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012179

Synthesis of Cu₂O from modified Fehling reaction for the preparation of Cu₂O thin film photocathode by using the spin coating method, characterization, and its photoelectrochemical properties

Sulat, Gunawan, R A Lusiana, A Haris and D S Widodo

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012180

Utilization of bamboo leaf silica as a superhydrophobic coating using trimethylchlorosilane as a surface modification agent

S Silviana, F Dalanta and G J Sanyoto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012181

Synthesis of ferrate using NaOCl and Fe(OH)₃ from electrolysis of used iron, and its application for metanil yellow degradation

Gunawan, N B A Prasetya, A Haris and F Febriliani

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012182

The effectiveness of anode variations for electrocoagulation and its application for laundry wastewater treatment

Suhartana

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012183

Synthesis of sulfonated poly-(eugenol divinylbenzene) nanosilver composite and its application as antibacterial compound of cotton fabric

N B A Prasetya, A Asiyah, P R Sarjono, N Ngadiwiyanana and I Ismiyanto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012184

Synthesis of ferrate from ferrous sulfate using wet chemical approach and its application for remazol black B degradation: optimization and kinetic studies

N B A Prasetya, S J Suripto, A Haris, Ngadiwiyanana and N S Mohammed

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012185

Investigation of mango (*Mangifera odorate*) sap and starch as organic adhesive of bio-

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



S Rodiah, J L Al Jabbar, A Ramadhan and E Hastati

[+ Open abstract](#)

[View article](#)

[PDF](#)

JOURNAL LINKS

[Journal home](#)

[Journal Scope](#)

[Information for organizers](#)

[Information for authors](#)

[Contact us](#)

[Reprint services from Curran Associates](#)

physicsworld
WEBINAR

Optimize
manufacturing and
enhance battery
performance via
multi-technique
materials analysis

Live at 3.30 p.m. BST/
10.30 a.m. EDT on
4 April 2023

Sponsors

Waters™ | 



**CLICK TO
REGISTER**

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.

