

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

Judul Makalah (Artikel) : Forecasting of Rainfall in Central Java using Hybrid GSTAR-NN-PSO Model

Jumlah Penulis : 4 Orang Penulis ke : 1

Nama Penulis : **Hasbi Yasin**, Budi Warsito, Rukun Santoso, Arief Rachman Hakim

Identitas Makalah

a. Nama Prosiding : E3S Web of Conferences

b. Nomor ISSN : 2267-1242

c. Volume, No, Bulan, Tahun : Vol. 125, 2019

d. Penerbit : EDP Sciences

e. DOI artikel (jika ada) : <https://doi.org/10.1051/e3sconf/201912523015>

f. Alamat web : https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/51/e3sconf_icenis2019_23015.pdf

g. Indexing : Scopus

Kategori Publikasi Makalah : ☒ Prosiding Internasional Terindeks Scopus
(beri ✓ pada kategori yang tepat) ☐ Prosiding Internasional
☐ Prosiding Nasional

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi buku (10%)	2,5	2,5	2,50
b. Ruang lingkup dan kedalaman pembahasan (30%)	8	8	8,00
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	8	8	8,00
d. Kelengkapan unsur dan kualitas penerbit (30%)	8,5	9	8,75
Total = (100%)	27	27,5	27,25

Reviewer 2



Dr. Rukun Santoso, M.Si.
NIP. 19650225 199201 1 001

Unit kerja :
Departemen Statistika Undip

Semarang, 16 Juni 2020
Reviewer 1



Prof. Drs. Mustafid, M.Eng., Ph.D.
NIP. 19550528 198003 1 002

Unit kerja :
Departemen Statistika Undip

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

Judul Makalah (Artikel) : Forecasting of Rainfall in Central Java using Hybrid GSTAR-NN-PSO Model

Jumlah Penulis : 4 Orang Penulis ke : 1

Nama Penulis : **Hasbi Yasin**, Budi Warsito, Rukun Santoso, Arief Rachman Hakim

Identitas Makalah

a. Nama Prosiding : E3S Web of Conferences

b. Nomor ISSN : 2267-1242

c. Volume, No, Bulan, Tahun : Vol. 125, 2019

d. Penerbit : EDP Sciences

e. DOI artikel (jika ada) : <https://doi.org/10.1051/e3sconf/201912523015>

f. Alamat web : https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/51/e3sconf_icenis2019_23015.pdf

g. Indexing : Scopus

Kategori Publikasi Makalah : ☒ *Prosiding Internasional Terindeks Scopus*
☐ *Prosiding Internasional*
☐ *Prosiding Nasional*
(beri ✓ pada kategori yang tepat)

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Prosiding = 30			Nilai Akhir Yang Diperoleh
	Internasional Terindeks Scopus	Internasional	Nasional	
a. Kelengkapan unsur isi buku (10%)	3			2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8,0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9			8,0
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			8.5
Total = (100%)	30			27,0
Kontribusi Pengusul (Penulis Pertama) = $60\% \times 27,0 = 16,2$				

Komentar *Peer Review*:

- Kelengkapan dan kesesuaian unsur: Baik, sesuai dengan sistematika artikel ilmiah hasil penelitian. Artikel ditulis dengan Bahasa Inggris cukup baik. Kelengkapan unsur hanya fokus pada metode dan hasil penelitian.
- Ruang lingkup dan kedalaman pembahasan: Baik, materi artikel berhubungan dengan teori statistika. Kedalaman pembahasan, kurang, fokus pada hasil penelitian.
- Kecukupan dan kemutakhiran data/informasi dan metodologi: Cukup baik, hasil penelitian berhubungan dengan penerapan teori statistika. Artikel menggunakan 18 rujukan, dengan 15 rujukan lebih dari 10 tahun terakhir.
- Kelengkapan unsur dan kualitas penerbit: Artikel disampaikan pada “7th ISNPINSA” tahun 2018 dipublikasikan pada IOP tahun 2019, terindeks di SCOPUS nilai SJR 2018 = 0,22, quartile ranking Q3. Kualitas terbitan baik.
- Indikasi Plagiasi: Tidak ada.
- Kesesuaian bidang ilmu: Statistika.

Semarang,
Reviewer 1



Prof. Drs. Mustafid, M.Eng., Ph.D.
NIP. 19550528 198003 1 002

Unit kerja:
Departemen Statistika Undip
Jabatan Fungsional:
Guru Besar

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

Judul Makalah (Artikel) : Forecasting of Rainfall in Central Java using Hybrid GSTAR-NN-PSO Model

Jumlah Penulis : 4 Orang Penulis ke : 1

Nama Penulis : **Hasbi Yasin**, Budi Warsito, Rukun Santoso, Arief Rachman Hakim

Identitas Makalah

a. Nama Prosiding : E3S Web of Conferences

b. Nomor ISSN : 2267-1242

c. Volume, No, Bulan, Tahun : Vol. 125, 2019

d. Penerbit : EDP Sciences

e. DOI artikel (jika ada) : <https://doi.org/10.1051/e3sconf/201912523015>

f. Alamat web : https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/51/e3sconf_icenis2019_23015.pdf

g. Indexing : Scopus

Kategori Publikasi Makalah : ☒ *Prosiding* Internasional Terindeks Scopus
(beri ✓ pada kategori yang tepat) ☐ *Prosiding* Internasional
☐ *Prosiding* Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Prosiding = 30			Nilai Akhir Yang Diperoleh
	Internasional Terindeks Scopus	Internasional	Nasional	
a. Kelengkapan unsur isi buku (10%)	3			2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9			8
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			9
Total = (100%)	30			27,5
Kontribusi Pengusul (Penulis Pertama)	(60%×27,5)=16,5			

Komentar *Peer Review*:

- a. Kelengkapan dan kesesuaian unsur:
Baik, tata bahasa perlu ditingkatkan
- b. Ruang lingkup dan kedalaman pembahasan:
Baik, aplikasi metode yang ada ke data sekunder
- a. Kecukupan dan kemutakhiran data/informasi dan metodologi:
Baik, tidak ada penjelasan 4 wilayah terpilih dapat mewakili Jawa Tengah
- b. Kelengkapan unsur dan kualitas penerbit:
Baik, prosiding internasional terineks Scopus
- c. Indikasi Plagiasi:
Tidak ditemukan
- d. Kesesuaian bidang ilmu:
Seauai, model matematika/statistika

Semarang,
Reviewer 2


Dr. Rukun Santoso, M.Si.
NIP. 19650225 199201 1 001

Unit kerja:
Departemen Statistika Undip
Jabatan Fungsional:
Lektor Kepala



Scopus

Search

Sources

Lists

SciVal ↗



RC

Document details

[< Back to results](#) | [< Previous](#) 5 of 28 [Next >](#)
[↗ Export](#) [⬇ Download](#) [🖨 Print](#) [✉ E-mail](#) [📄 Save to PDF](#) [★ Save to list](#) [More... >](#)
[View at Publisher](#)

E3S Web of Conferences
Volume 125, 28 October 2019, Article number 23015
4th International Conference on Energy, Environment, Epidemiology and Information System,
ICENIS 2019; Semarang; Indonesia; 7 August 2019 through 8 August 2019; Code 154022

Forecasting of Rainfall in Central Java using Hybrid GSTAR-NN-PSO Model (Conference Paper) [\(Open Access\)](#)

Yasin, H. ✉, Warsito, B., Santoso, R., Hakim, A.R. 👤

[🔖 Save all to author list](#)

Department of Statistics, Faculty of Science and Mathematics, Diponegoro University, Semarang, Indonesia

Abstract

[↕ View references \(18\)](#)

Forecasting of rainfall trends is essential for several fields, such as airline and ship management, flood control and agriculture. The rainfall data were recorded several time simultaneously at a number of locations and called the space-time data. Generalized Space Time Autoregressive (GSTAR) model is one of space-time models used to modeling and forecasting the rainfall. The aim of this research is to propose the nonlinear space-time model based on hybrid of GSTAR, Feed Forward Neural Network (FFNN) and Particle Swarm Optimization (PSO) and it called GSTAR-NN-PSO. In this model, input variable of the FFNN was obtained from the GSTAR model. Then use PSO to initialize the weight parameter in the FFNN model. This model is applied for forecasting monthly rainfall data in Jepara, Kudus, Pati and Grobogan, Central Java, Indonesia. The results show that the proposed model gives more accurate forecast than the linear space-time model, i.e. GSTAR and GSTAR-PSO. Moreover, further research about space-time models based on GSTAR and Neural Network is needed to improving the forecast accuracy especially the weight matrix in the GSTAR model. © The Authors, published by EDP Sciences, 2019.

SciVal Topic Prominence ⓘ

Topic: Models | Time series | GSTAR model

Prominence percentile: 69.461 ⓘ

Author keywords

[FFNN](#) [GSTAR](#) [PSO](#) [Rainfall](#)

Indexed keywords

Engineering
controlled terms:
[Feedforward neural networks](#) [Flood control](#) [Forecasting](#) [Information systems](#)
[Information use](#) [Rain](#)

Engineering

[Auto-regressive](#) [FFNN](#) [Forecast accuracy](#) [GSTAR](#) [Modeling and forecasting](#)
Metrics ⓘ [View all metrics >](#)

PlumX Metrics

Usage, Captures, Mentions,
Social Media and Citations
beyond Scopus.

Cited by 0 documents

Inform me when this document
is cited in Scopus:[Set citation alert >](#)[Set citation feed >](#)

Related documents

Particle swarm optimization
versus gradient based methods in
optimizing neural networkWarsito, B. , Yasin, H. ,
Prahutama, A.
(2019) *Journal of Physics:
Conference Series*Soft Computation Vector
Autoregressive Neural Network
(VAR-NN) GUI-BasedYasin, H. , Warsito, B. , Santoso,
R.
(2018) *E3S Web of Conferences*Bankruptcy prediction based on
financial ratios using Jordan
Recurrent Neural Networks: A
case study in Polish companiesHardinata, L. , Warsito, B. ,
Suparti
(2018) *Journal of Physics:
Conference Series*[View all related documents based
on references](#)

uncontrolled terms

Monthly rainfalls

Space-time model

Weight parameters

Engineering main heading:

Particle swarm optimization (PSO)

Find more related documents in Scopus based on:

Authors > Keywords >

Funding details

Funding sponsor	Funding number	Acronym
Direktorat Jenderal Pendidikan Tinggi		DIKTI

Funding text

This research was funded by DRPM-DIKTI with the 2019 PDUPT scheme. The authors thank the Directorate General of Higher Education for its funding and support.

ISSN: 25550403

Source Type: Conference Proceeding

Original language: English

DOI: 10.1051/e3sconf/201912523015

Document Type: Conference Paper

Volume Editors: Hadiyanto,Warsito B.,Maryono E.

Publisher: EDP Sciences

References (18)

View in search results format >

☐ All

Export

Print

E-mail

Save to PDF

Create bibliography

☐ 1

(2019) [BMKG Semarang] Badan Meteorologi Klimatologi Dan Geofisika Stasiun Klimatologi Semarang

☐ 2

Borovkova, S.A., Lopuhaa, H.P., Ruchjana, B.N.
(2002) *Proceedings of the 17th International Workshop on Statistical Modelling*

☐ 3

Tarno, L.I., Yasin, H.
(2015) *Jurnal Gaussian*, 4 (3), pp. 553-562.

☐ 4

Gusnadi, R., Rahmawati, R., Prahutama, A.
(2015) *Jurnal Gaussian*, 4 (4), pp. 1017-1026.

☐ 5

Diani, K.A.N., Setiawan, S.
(2013) *Jurnal Sains Dan Seni POMITS*, 2, p. 1.

☐ 6

Caraka, R.E.

(2018) *Proceedings of the Indonesian Association for Pattern Recognition Conference*

-
- 7 Caraka, R.E.
(2018) *Proceedings of the International Conference on Information Management and Technology (ICIMTech)*
-
- 8 Caraka, R.E., Bakar, S.A., Tahmid, M., Yasin, H., Kurniawan, I.D.
Neurocomputing fundamental climate analysis (Open Access)

(2019) *Telkomnika (Telecommunication Computing Electronics and Control)*, 17 (4), pp. 1818-1827. Cited 9 times.
<http://journal.uad.ac.id/index.php?journal=TELKOMNIKA&page=issue&op=archive>
doi: 10.12928/TELKOMNIKA.v17i4.11788

View at Publisher
-
- 9 Warsito, B.
(2009) *Kapita Selektta Statistika Neural Network*. Cited 5 times.
BP Undip Semarang
-
- 10 Suhartono, Prastyo, D.D., Kuswanto, H., Lee, M.H.
(2018) *MATEMATIKA*, 34 (1), pp. 103-111. Cited 6 times.
-
- 11 Warsito, B., Yasin, H., Prahutama, A.
Particle swarm optimization versus gradient based methods in optimizing neural network (Open Access)

(2019) *Journal of Physics: Conference Series*, 1217 (1), art. no. 12101. Cited 2 times.
<http://iopscience.iop.org/journal/1742-6596>
doi: 10.1088/1742-6596/1217/1/012101

View at Publisher
-
- 12 Garro, B.A., Vázquez, R.A.
(2015) *Computational Intelligence and Neuroscience*, 61.
-
- 13 Khadse, C.B., Chaudhari, M.A., Borghate, V.B.
Conjugate gradient back-propagation based artificial neural network for real time power quality assessment

(2016) *International Journal of Electrical Power and Energy Systems*, 82, pp. 197-206. Cited 31 times.
doi: 10.1016/j.ijepes.2016.03.020

View at Publisher
-
- 14 Chattopadhyay, S., Chattopadhyay, G.
Conjugate gradient descent learned ANN for Indian summer monsoon rainfall and

efficiency assessment through Shannon-Fano coding

(2018) *Journal of Atmospheric and Solar-Terrestrial Physics*, 179, pp. 202-205. Cited 7 times.
<http://www.journals.elsevier.com/journal-of-atmospheric-and-solar-terrestrial-physics/>
doi: 10.1016/j.jastp.2018.07.015

[View at Publisher](#)

-
- ☐ 15 Potdar, G.P.P.
(2014) *R.C. Thool Journal of Artificial Intelligence & Applications (IJAlA)*, 5 (4), pp. 63-74. Cited 6 times.
-
- ☐ 16 Kusumadewi, S.
(2004) *Membangun Jaringan Syaraf Tiruan Menggunakan Matlab Dan Excel Link*. Cited 29 times.
Graha Ilmu, Yogyakarta
-
- ☐ 17 (2014) *Algoritma Optimasi Deterministik Atau Probabilistik*
Suyanto, (Graha Ilmu Yogyakarta)
-
- ☐ 18 Santosa, B., Ai, T.J.
(2017) *Pengantar Metaheuristik Implementasi Dengan Matlab*
ITS Tekno Sains Surabaya
-

✎ Yasin, H.; Department of Statistics, Faculty of Science and Mathematics, Diponegoro University, Semarang, Indonesia; email:hasbiyasin@live.undip.ac.id

© Copyright 2019 Elsevier B.V., All rights reserved.

[< Back to results](#) | [< Previous](#) 5 of 28 [Next >](#)

[^ Top of page](#)

About Scopus

[What is Scopus](#)
[Content coverage](#)
[Scopus blog](#)
[Scopus API](#)
[Privacy matters](#)

Language

[日本語に切り替える](#)
[切换到简体中文](#)
[切换到繁體中文](#)
[Русский язык](#)

Customer Service

[Help](#)
[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.

RELX

E3S Web of Conferences

Scopus coverage years: from 2013 to Present

E-ISSN: 2267-1242

Subject area: Earth and Planetary Sciences: General Earth and Planetary Sciences Energy: General Energy
Environmental Science: General Environmental Science

[View all documents >](#) [Save to source list](#) [Journal Homepage](#)

CiteScore 2018
0.52 ⓘ

SJR 2018
0.174 ⓘ

SNIP 2018
0.575 ⓘ

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

CiteScore 2018

Calculated using data from 30 April, 2019

0.52

Citation Count 2018

Documents 2015 - 2017*

905 Citations >

1,747 Documents >

*CiteScore includes all available document types

[View CiteScore methodology >](#)

[CiteScore FAQ >](#)

CiteScore rank ⓘ

Category	Rank	Percentile
Earth and Planetary Sciences	#119/182	34th
General Earth and Planetary Sciences		
Energy	#40/58	31st
General		

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

CiteScoreTracker 2019 ⓘ

Last updated on 09 September, 2019
Updated monthly

0.23

Citation Count 2019

Documents 2016 - 2018

1,256 Citations to date >

5,452 Documents to date>

Metrics displaying this icon are compiled according to Snowball Metrics , a collaboration between industry and academia.

- About Scopus
- What is Scopus
 - Content coverage
 - Scopus blog
 - Scopus API
 - Privacy matters

- Language
- 日本語に切り替える
 - 切换到简体中文
 - 切换到繁體中文
 - Русский язык

- Customer Service
- Help
 - Contact us

E3S Web of Conferences

Country

France - SIR Ranking of France

6

H Index

Subject Area and Category

Earth and Planetary Sciences

Earth and Planetary Sciences (miscellaneous)

Energy

Energy (miscellaneous)

Environmental Science

Environmental Science (miscellaneous)

Publisher

Publication type

Conferences and Proceedings

ISSN

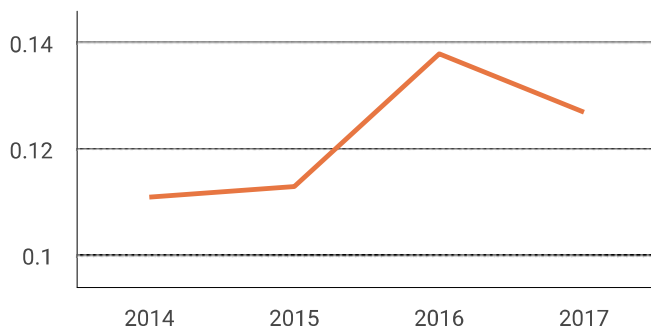
22671242

Coverage

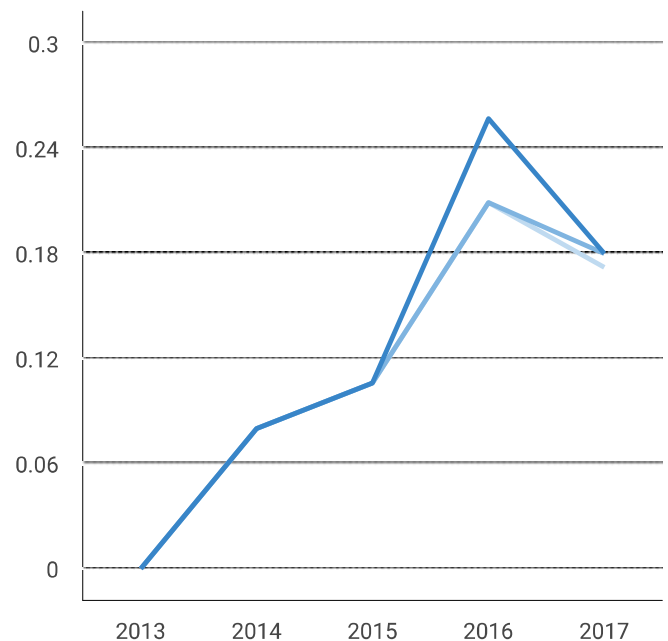
2013-ongoing


[Join the conversation about this journal](#)

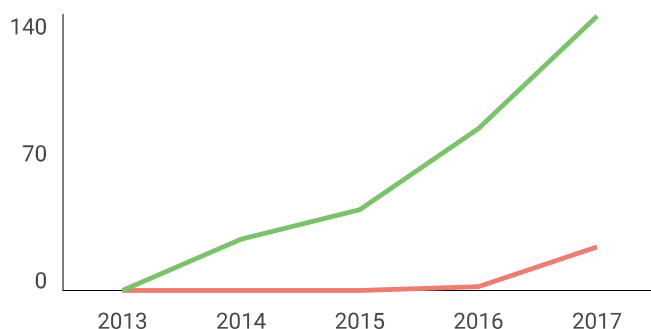
SJR

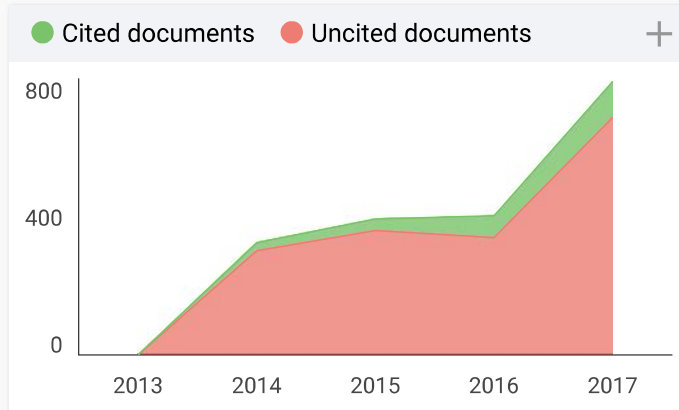
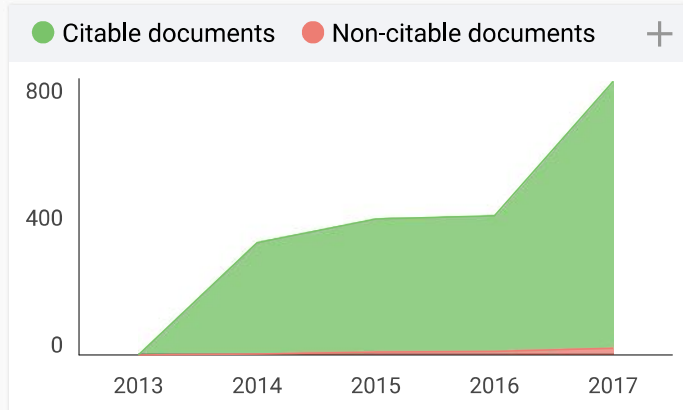
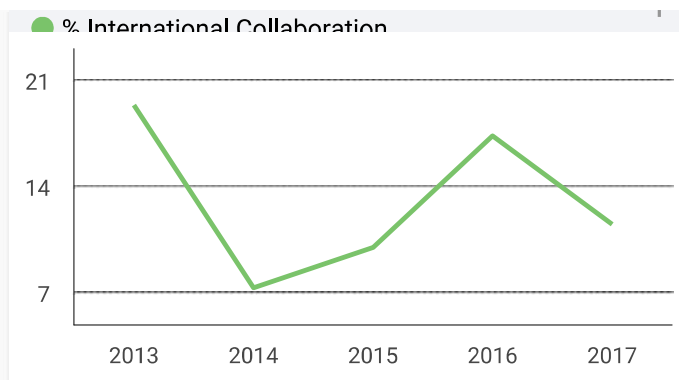
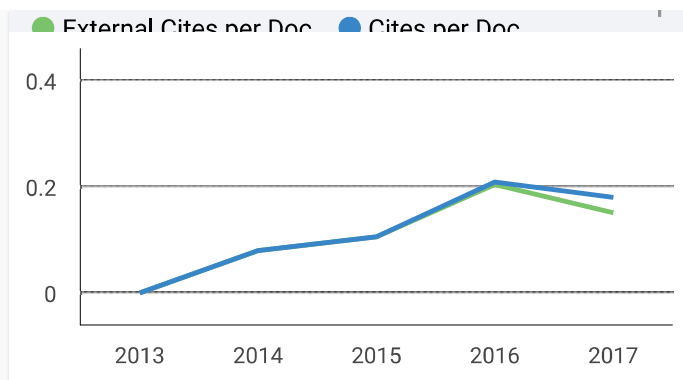


Citations per document



Total Cites Self-Cites





E3S Web of Conferences

Not yet assigned quartile

SJR 2017
0.13

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.scimagojr.com" data-bbox="308 531 480 544">
```



Madhuri Damaraju 7 months ago

Hi,

Are the conference proceedings published in E3S web of conferences, scopus indexed?

Thanks

← reply



Elena Corera 7 months ago

Dear Madhuri, in the SCImago Journal & Country Ranks all the information that we have available of the journals in Open Access is shown, if you do not locate the journal in the

About the journal ▶ Editorial board

About the journal

[Aims and scope](#)

[Editorial board](#)

[Indexed in](#)

[Publishing Policies & Ethics](#)

[Published by](#)

Editorial board

Rachid Bennacer

École Normale Supérieure, Cachan, France

[website](#)

Chérifa Boukacem-Zeghmouri

Université Claude Bernard Lyon 1, Villeurbanne, France

[website](#)

Vladimir Buzek

Slovak Academy of Sciences, Bratislava, Slovakia

[website](#)

Heidi Gautschi

Haute Ecole Pédagogique de Lausanne, Switzerland

Éric Lichtfouse

National Research Institute for Agriculture, Food and Environment (INRAE), Aix-en-Provence, France

[website](#)

Maria S. Madjarska

Seoul National University, Department of Physics & Astronomy, Korea

And Max Planck Institute for Solar System Research, Germany

Nigel Mason

University of Kent, Canterbury, United Kingdom

Ming-Jun Zhang

DGUT-CNAM Institute, Dongguan University of Technology, Guangdong Province, P.R. China

[website](#)

Zhien Zhang

The Ohio State University, Columbus, USA

E3S Web of Conferences

eISSN: 2267-1242

Copyright / Published by: [EDP Sciences](#)



[Mentions légales](#)

[Contacts](#)

[Privacy policy](#)



4th ICENIS 2019

International Conference on Energy,
Environment, Epidemiology
and Information System

**“STRENGTHENING PLANNING & IMPLEMENTATION
OF ENERGY, ENVIRONMENT, EPIDEMIOLOGY
AND INFORMATION SYSTEM AS A RESPOND
TO INDUSTRIAL REVOLUTION 4.0”**



UNDIP | DIPONEGORO
UNIVERSITY
the excellent research university

SPS

SCHOOL OF POSTGRADUATE STUDIES

PREFACE

The 4th International Conference on Energy, Environment, Epidemiology and Information System (ICENIS) 2019 is annual conferences organized by School of Postgraduate Studies Diponegoro University and has been successfully conducted since 2016. The aims of ICENIS are to designate an interactive international forum to provide a platform for sharing and exchanging information on the latest research on energy, environment, epidemiology and information system and to stimulate collaboration between researchers, government and industries to increase community welfare. This conference also facilitate the formation of network among participants to enhance the quality and benefit of research and development. The theme of ICENIS 2019 is “Strengthening Planning and Implementation of Energy, Environment, Epidemiology and Information System as a Respond to Industrial Revolution 4.0”.

The scope of the field of participants comes from various fields including energy, environment, epidemiology, information system and relevant fields that contribute to Industrial Revolution 4.0. The conference was held in Semarang, Indonesia on August, 7th-8th 2019. There were six keynote speakers and more than 250 participants who came from USA, Saudi Arabia, Thailand, Malaysia, Netherland, Rwanda and Indonesia consist of researchers, lecturers, postgraduate and undergraduate students from various universities and after the selection process there were 200 articles selected to be published in the present conference proceeding.

We would like to express our gratitude to all authors, members of scientific committee and members of organizing committee for their contribution to the success of the conference.

The Editors

Prof. Dr. Hadiyanto
Dr. Budi Warsito
Dr. Eng. Maryono

CONFERENCE PHOTOGRAPH













Statement of Peer review

In submitting conference proceedings to *Web of Conferences*, the editors of the proceedings certify to the Publisher that

1. They adhere to its **Policy on Publishing Integrity** in order to safeguard good scientific practice in publishing.
2. All articles have been subjected to peer review administered by the proceedings editors.
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. Proceedings editors have taken all reasonable steps to ensure the quality of the materials they publish and their decision to accept or reject a paper for publication has been based only on the merits of the work and the relevance to the journal.

Title, date and place of the conference

4th INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT,
EPIDEMIOLOGY AND INFORMATION SYSTEM (ICENIS)
7-8 AUGUST 2019, SEMARANG INDONESIA

Proceedings editor(s):

1.10.2019

Date and editor's signature

1.10.2019

[All issues](#) ▶ Volume 125 (2019)

[◀ Previous issue](#)

[Table of Contents](#)

[Next issue ▶](#)

Free Access to the whole issue

E3S Web of Conferences

Volume 125 (2019)

The 4th International Conference on Energy, Environment, Epidemiology and Information System (ICENIS 2019)

Semarang, Indonesia, August 7-8, 2019
Hadiyanto, Budi Warsito and Maryono (Eds.)

Export the citation of the selected articles [Export](#)
[Select all](#)

Open Access

About the conference

Published online: 28 October 2019

[PDF \(4.26 MB\)](#)

Open Access

Statement of Peer review

Published online: 28 October 2019

[PDF \(38 KB\)](#)

- ✓ Environmental Conservation
- ✓ Environmental Policy, Planning, and Education
- ✓ Environmental Technology
- ✓ Environmental Health and Toxicology
- ✓ Environmental Epidemiology
- ✓ Pollution Control
- ✓ Waste Management
- ✓ Green Infrastructure and Resilience
- ✓ Culture and Environment Development in Coastal Community
- ✓ Energy Management and Policy
- ✓ Energy Planning and Education
- ✓ Energy Conservation and Efficiency
- ✓ Energy Conversion Technology
- ✓ Renewable Energy
- ✓ Non-renewable Energy/Fossil Energy
- ✓ Epidemiology Related to Disease and Health Event Prevention and Control
- ✓ Managerial Epidemiology
- ✓ Occupational Epidemiology
- ✓ Nutritional Epidemiology
- ✓ Behavioral Epidemiology
- ✓ Business Intelligence
- ✓ Industrial Information Systems
- ✓ Decision Support Systems
- ✓ Smart Information Systems
- ✓ Health, Safety, and Environment Information Systems

- Environmental Conservation

 Open Access

Methods and Advances in the Forensic Analysis of Contaminated Rivers 01001

Jerry Miller

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501001>

[PDF \(2.492 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Biorefineries for Sustainable Food-Fuel-Fibre Production: Towards a Circular Economy 01002

Shabbir H. Gheewala

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501002>

[PDF \(1.808 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Alternatives to groundwater abstraction as a measure to stop land subsidence: a case study of Semarang, Indonesia 01003

Wesley Beek van, Bart Letitre, H. Hadiyanto and S. Sudarno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501003>

[PDF \(1.683 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Variations of Land Surface Temperature and Its Relationship with Land Cover and Changes in IPB Campus, Dramaga Bogor 2013-2018 01004

Nafiriair Yufan Madakarah, Supriatna, Adi Wibowo, Masita Dwi Mandini Manessa and Yoanna Ristya

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501004>

[PDF \(2.135 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Geomorphology and Landslide-Prone Area in Cisolok District, Sukabumi Regency 01005

Mochamad Seandy Alfarabi, Supriatna, Masita Dwi Mandini Manessa, Andry Rustanto and Yoanna Ristya

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501005>

[PDF \(1.826 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Spatial Dynamics Model for Land Carrying Capacity Prediction in Tangerang Selatan City 01006

Rizky Lamonda, Supriatna, Revi Hernina, Masita Dwi Mandini Manessa and Yoanna Ristya

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501006>

[PDF \(1.967 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Coastal landscape changes pattern due to natural disasters in Pelabuhanratu District, West Java 01007

Mufidah Tartila, Supriatna, Masita Dwi Mandini Manessa and Yoanna Ristya

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501007>

[PDF \(2.029 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Soil Erosion Modelling at Watershed Level in Indonesia: a Review 01008

Yuari Susanti, S Syafrudin and Muhammad Helmi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501008>

[PDF \(1.710 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Installation of Deep Groundwater Wells as Solution to Water Resources Problem in Panggang Subsystem, Gunungsewu Karst Area, Indonesia 01009

Indra Agus Riyanto, Ahmad Cahyadi, Dwi Sismoyo, Muhammad Naufal, Fajri Ramadhan, Margaretha Widyastuti and Tjahyo Nugroho Adji

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501009>

[PDF \(2.029 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Mapping of Groundwater Vulnerability Index in the Alluvial Plain of Semarang City Using the Susceptibility Index Method 01010

Adetya Arga Marjuanto, Thomas Triadi Putranto and Denny Nugroho Sugianto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501010>

[PDF \(2.122 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Assessment of Tourism Suitability in Natural Tourism Object of Lengkuas Island, Sijuk District, Belitung Regency, Bangka Belitung Province 01011

Reszi Ariefianda, Jafron Wasiq Hidayat and Eng Maryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501011>

[PDF \(1.729 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Aquifer System, Recharge-Discharge Zone and Groundwater Basin Boundary Mapping to Support Open and Transparent Water Data, Case Study: Karangobar Groundwater Basin 01012

Thomas Triadi Putranto, Muhammad Iman Luthfi, Nurakhmi Qadaryati, Narulita Santi and Wahyu Krisna Hidajat

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501012>

[PDF \(3.364 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Geotourism Potential as Information for Infrastructure Planning of the Karst Area, Kayen District, Pati Regency, Central Java 01013

Tri Winarno, Jenian Marin, Rinal Khaidar Ali and Yudiantoko Aditya Widiyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501013>

[PDF \(2.956 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Temporal Variations of Baseflow Contribution to Epikarst spring Discharge in *Gunungsewu* Karst Area, Indonesia 01014

Muhammad Naufal, Margaretha Widyastuti, Ahmad Cahyadi, Fajri Ramadhan, Indra Agus Riyanto, Khansa Sitostratufana Arsy An nisa, Tjahyo Nugroho Adji and Eko Haryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501014>

[PDF \(1.869 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Water Availability In Patuha Mountain Region Using InVEST Model “Hydropower Water Yield” 01015

Yudistiro, Eko Kusratmoko and Jarot Mulyo Semedi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501015>

[PDF \(2.474 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Analysis of Cavities Characteristics in the Semar - Kiskendo Caves System, Jonggrangan Karst Area, Kulon Progo, Indonesia 01016

Romza Fauzan Agniy, Risma Sari Septianingrum, Ariel Seto Adinugraha, Qodri Alghozali, Bagas Aditya, Ahmad Cahyadi and Tjahyo Nugroho Adji

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501016>

[PDF \(1.677 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

The Role of Institution Related to Conservation Area of Merbabu Mountain National Park in Boyolali District 01017

Bernadus Agus Hartanto, Jafron Wasiq Hidayat and Bambang Waluyo Hadi Eko Prasetyono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501017>

[PDF \(1.519 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

The Changes of Mangrove Area in Pati Regency of the Year 2011 - 2015 and Their Impact Analysis: A Literature Review 01018

Achmad Nur Prihantoro, Sutrisno Anggoro and Fuad Muhammad

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501018>

[PDF \(1.633 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Environment-Wise Fishing Practice in Coastal Regions in Indonesia 01019

Ariya Jati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501019>

[PDF \(1.583 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Groundwater Flooding due to Tropical Cyclone Cempaka in Ngreneng Karst Window, Gunungsewu Karst Area, Indonesia 01020

Ahmad Cahyadi, Eko Haryono, Tjahyo Nugroho Adji, M Widyastuti, Indra Agus Riyanto, Yudhistira Tri Nurteisa, Hendy Fatchurohman, Hilary Reinhard, Romza Fauzan Agniy, Afid Nurkholis [et al. \(2 more\)](#)

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501020>

[PDF \(2.053 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Environmental Factors Supporting Mangrove Ecosystem in Semarang-Demak Coastal Area 01021

Andin Irsadi, Sutrisno Anggoro and Tri Retnaningsih Soeprbowati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501021>

[PDF \(1.826 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

The Pattern of Cooperation between the Ministry of Environment and Forestry of the Republic of Indonesia and the Wildlife Conservation Society-Indonesia Programme in Dealing with the Illegal Transnational Trade of Pangolins in Indonesia 01022

Afifah Rahmi Andini and Hartuti Purnaweni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501022>

[PDF \(1.772 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Epipellic Diatom Communities in Pengilon Lake Dieng, Central Java 01023

Tri Retnaningsih Soeprbowati, Jumari, Riche Hariyati and Fini Wulandari

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912501023>

[PDF \(2.282 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Environmental Policy, Planning, and Education*

 Open Access

[Carbon Footprint from Settlement Activities: A Literature Review](#) 02001

Agus Purwanto, Syafrudin Syafrudin and Sunarsih Sunarsih

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502001>

[PDF \(1.465 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Potential Sustainability of “Kampung Iklim” Program in Surakarta Municipal](#) 02002

Atur Ekharisma Dewi, Maryono Maryono and Budi Warsito

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502002>

[PDF \(2.094 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Effectiveness of Supervision of Spatial Planning Policies in the Karangsambung Geological Preserve Area](#) 02003

Indraya Kusyuniadi and Imam Buchori

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502003>

[PDF \(1.915 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[An Analysis of Bodri Watershed Governance System](#) 02004

Husna Fauzia, Rukuh Setiadi and Satya Budi Nugraha

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502004>

[PDF \(1.940 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Environmental-based budget planning in The Tegal Regency Government](#) 02005

Mohamad Heri Hidayattuloh, Azis Nur Bambang and A Amirudin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502005>

[PDF \(1.576 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Policy formalization of Artisanal and Small-Scale Gold Mining \(ASGM\) post-ratification of Minamata Convention for Sustainability \(case study of ASGM Gorontalo\)](#) 02006

Fenty Puluulawa and Amanda Adelina Harun

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502006>

[PDF \(1.512 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Implementation of UI GreenMetric at Diponegoro University in order to Environmental Sustainability Efforts](#) 02007

Effine Lourrinx, Hadiyanto and Mochamad Arief Budihardjo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502007>

[PDF \(1.693 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Land Suitability of Settlements in West Palu District, Palu City](#) 02008

Selamet Santoso, Iwan Rudiarto and Yanuar Luqman

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502008>

[PDF \(1.681 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Integration of Environmental Economics to Build Economic Behaviors](#) 02009

Amin Pujiati, Khasan Setiaji, Hana Netti Purasani and Nina Farliana

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502009>

[PDF \(1.860 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Mangrove Conservation Strategy in Bedono Village, Sayung District, Demak Regency Based on Remote Sensing Satellite Data](#) 02010

Atmari, Denny Nugroho Sugianto and Fuad Muhammad

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502010>

[PDF \(1.697 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[The Analysis of Ecological Footprint at Farming Production Centre Cluster of MIFEE Program in Merauke Papua](#) 02011

Irba Djaja, P. Purwanto, H. R. Sunoko and Muslihudin Muslihudin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502011>

[PDF \(1.717 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[The Impact of Pupuk Kaltim's Creating Shared Value \(CSV\) program for Fishermen on Tanjung Limau Bontang](#) 02012

Sri Djuwani Ekowati and Sudharto P Hadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502012>

[PDF \(1.763 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Potential of Eco-Efficiency Application to Small-To-Medium Industry of Tofu Cluster in Pesalakan, Adiwerna Village, Adiwerna District, Tegal Regency](#) 02013

Sri Suryoko, Sudharto P Hadi and Purwanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502013>

[PDF \(1.837 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[The Powerless of Strategic Environmental Assessment \(SEA\): A Case Studies of North Kendeng Mountain Area, Central Java, Indonesia](#) 02014

Sudharto P Hadi, Hartuti Purnaweni and Bulan Prabawani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502014>

[PDF \(1.498 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[The Implementation of Credit Program to Delay Cutting Down Trees](#) 02015

Satryani Kartika Ningrum Ika and Fuad Muhamad

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502015>

[PDF \(1.875 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Development of Environmental Education through the Adiwiyata Program \(Study at: SDN Tlogosari Kulon 03 Semarang, Indonesia\)](#) 02016

Susena, Aziz Nur Bambang and Sri Mulyani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502016>

[PDF \(1.654 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Urbanization Consequences on Environmental Conditions in Indonesia](#) 02017

Hadi Sasana, Jalu Aji Prakoso and Yuliani Setyaningsih

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502017>

[PDF \(1.782 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Participation of Society In Decision-Making By Government In Industrial Revolution 4.0](#) 02018

Aju Putrijanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502018>

[PDF \(1.502 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Environmental Issues in Journalism Coverage at the Suara Merdeka Newspaper](#) 02019

Amirudin Amirudin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912502019>

[PDF \(1.769 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Environmental Technology

☐ Open Access

[Evaluation in Conceptual Design of Human Powered Sand Sieving Machine](#) 03001

Ganjar Kurnia, Benny Yulianto, J. Jamari and A. P. Bayuseno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503001>

[PDF \(1.560 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Design of Eco-Friendly Pen Made Of Coconut Shell Waste](#) 03002

Benny Yulianto, Ganjar Kurnia, J. Jamari and A. P. Bayuseno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503002>

[PDF \(1.597 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Electro-Fenton for Industrial Wastewater Treatment: A Review](#) 03003

Elin Marlina and Purwanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503003>

☐ Open Access

[Fuzzy Logic Method Design for Landslide Vulnerability](#) 03004

Made Dandy Wardhana, Aghus Sofwan and Iwan Setiawan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503004>

[PDF \(1.817 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Removal of Iron using Isolated Bacteria \(*Vibrio alginolyticus*\) in seawater at Ship Dismantling Area](#) 03005

Harmin Sulistiyaning Titah, Herman Pratikno and Atiek Moesriati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503005>

[PDF \(1.799 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Removal of Chemical Oxygen Demand in Brackish Water by *Rhizophora mucronata* using Reed Bed System Batch Reactor](#) 03006

Harmin Sulistiyaning Titah, Ipung Fitri Purwanti, Herman Pratikno, Rachmi Layina Chimayati and Handayanu

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503006>

[PDF \(1.671 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Hybrid advanced oxidation process \(HAOP\) as an effective pharmaceutical wastewater treatment](#) 03007

Aris Mukimin and Hanny Vistanty

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503007>

[PDF \(1.566 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Personal Care Wastewater Treatment With Electro-coagulation and Electro-oxidation](#) 03008

Rachmad Ardhianto and Arseto Yekti Bagastyo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503008>

[PDF \(2.068 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Drought Potential of Paddy Fields using Temperature Vegetation Dryness Index in Kuningan Regency 03009

Dian Nurhandayani Putri, Taqyyudin, Ratna Saraswati and Iqbal Putut Ash-Shidiq

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503009>

[PDF \(1.928 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Analog Rice Made From Cassava Flour, Corn and Taro for Food Diversification 03010

Isti Pudjihastuti, Siswo Sumardiono, Edy Supriyo and Heny Kusumayanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503010>

[PDF \(1.553 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

UAV Application for Landslide Mapping in Kuningan Regency, West Java 03011

Humam Abdurrasyid Afif, Rokhmatuloh, Ratna Saraswati and Revi Hernina

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503011>

[PDF \(2.172 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Community Vulnerability and Capacity to Landslides in South Babakan Madang Subdistrict, Bogor Districts 03012

Muhammad Chaidir Harist, Ratna Saraswati and Andry Rustanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503012>

[PDF \(2.181 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Use of E-Money and Debit Cards in Student Consumption Behavior 03013

Dewi Fatmasari, Waridin, Akhmad Syakir Kurnia and Rizaldi amin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503013>

[PDF \(1.556 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Performance of Aerobic Microbial Granules in Organic Carbon Removal as a Method in the Treatment of Biodegradable Wastewater 03014

Nanik Indah Setianingsih, Hadiyanto, Sudarno and Rustiana Yuliasni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503014>

[PDF \(1.811 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Potential Use of Banana Plant (*Musa spp.*) as Bio-sorbent Materials for Controlling Gaseous Pollutants 03015

Sri Sumiyati, Haryono Setiyo Huboyo and Bimastyaji Surya Ramadan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912503015>

[PDF \(1.725 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Environmental Health and Toxicology*

☐ Open Access

Environmental Factors and Prevalence of Hookworm infection and Strongyloidiasis in Rural East Kalimantan, Indonesia 04001

Blego Sedionoto, Sueptrakool Wasessombat, Chuchard Punsawad and Witthaya Anamnart

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504001>

[PDF \(1.694 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Characterisation of Collagen from the Skin of Catfish (*Pangasius sp*) for Innovative PVA-Collagen Nanofiber 04002

Erdin Almuqoddas, Imron Hambyah, Rochmah Rizqiyanti, Agus Subagio and Ngurah Ayu Ketut Umiati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504002>

[PDF \(1.661 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Maintaining and Improving the Environmental Cleanliness in Semarang Municipality in the Era of Industrial Revolution 4.0 04003

Oktiva Herry Chandra

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504003>

[PDF \(1.555 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Impact of CO2 Gas Emissions on Government Expenditure of Health Sector in Indonesia 04004

Hadi Sasana, Panji Kusuma and Yuliani Setyaningsih

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504004>

[PDF \(1.622 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Implementation of Reproductive Health Gymnastics Against Female Adolescents Hemoglobin Level 04005

Sarah Fitria, Rr. Sri Endang Pujiastuti and Donny K. Mulyantoro

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504005>

[PDF \(1.708 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Carboxylesterase Concentration in Mouse Exposed to Particulate Matters on Inhalation Exposure of Prallethrin and α -Phenothrin Mixture 04006

Indri Santiasih, Harmin Sulistiyaning Titah and Joni Hermana

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504006>

[PDF \(1.730 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Water Bodies Quality along Paddy Field in Karang Ploso Sub District, Malang City, Indonesia 04007

Kiki Gustinasari, Joni Hermana and Ellina S. Pandebesie

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504007>

[PDF \(1.883 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Implementation of Radiation Safety Utilization of Fluoroscopy Baggage Scanner at Port 04008

Sri Mulyati, Rini Indrati, Rasyid, Siti Masrochah, Luthfi Rusyadi, Ardi Soesilo Wibowo and Sudiyono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912504008>

[PDF \(1.527 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Environmental Epidemiology*

 Open Access

Reducing Stress Level Cases of Hypogalactia Using Electric and Massage Stimulation Models 05001

Sheyla Najwatul Maula, Melyana Nurul Widyawati and Suryono Suryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912505001>

[PDF \(1.552 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Spatial and Temporal Distribution and Environmental Factors Related to Larval Density An. Barbirostris and An. Subpictus in Bulukumba: an Approach to Industry 4.0 05002

Iwan Suryadi, Hasanuddin Ishak and Darmawansyah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912505002>

[PDF \(2.236 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Analysis of HIV Transmission of Commercial Sex Workers and Their Clients with Condom Use Treatment 05003

Sutimin, Siti Khabibah, Dita Anies Munawwaroh and R. Heri Soelistyo U

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912505003>

[PDF \(1.837 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Reduction of Fatigue Levels of Workers in the Construction Worker by Consuming Banana Chips with the Vacuum Frying Method 05004

Wina Adalea Christi, Ari Suwondo and Yuliani Setyaningsih

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912505004>

[PDF \(1.667 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Application Model of Pranic Healing Therapy for Emotional Stress Using Accurate Bio-Well GDV Camera 05005

Cahyaning Puji Astuti, Melyana Nurul Widyawati and Suryono Suryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912505005>

[PDF \(1.857 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Pollution Control*

☐ Open Access

Impressed Current Anti Fouling (ICAF) to Reduce Population of *Chlorella Vulgaris* Cause Bio Corrosion on AH36 Steel in Marine Environment 06001

Herman Pratikno, Harmin Sulistiyaning Titah, Handayanu and Gilang Rezha Mahardhika

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912506001>

[PDF \(1.951 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Does Economic Growth Reduce Pollution? Empirical Evidence from Low Income Countries 06002

Mohammad Rofiuddin, Siti Aisyah, Desy Nur Pratiwi, Arna Asna Annisa, Rosana Eri Puspita and Rifda Nabila

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912506002>

[PDF \(1.982 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Waste Management*

 Open Access

Effect of Sugar Cane Addition on Rabbit Food Quality from Restaurant and Vegetable Waste with Fermentation Technology 07001

Mochtar Hadiwidodo, Endro Sutrisno, Budi Prasetyo Samadikun, Arsita Daisy Wijayanti and Fadel Iqbal Muhammad

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507001>

[PDF \(1.781 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Municipal Solid Waste Management Using Bioreactor Landfill in the Treatment of Organic Waste from Jatibarang Landfill, Semarang-Indonesia 07002

Wiharyanto Oktiawan, Irawan Wisnu Wardhana, Endro Sutrisno, Domuanri Gorat and Alfian Rizky Rizaldianto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507002>

[PDF \(1.659 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Application of Iodized In Farm and Haloferax Bacteria Technology for Salt Production in Order to Make Zero Waste Salt Consumption Industry 07003

Nilawati, Rizal Awaludin Malik, Rame and Yose Andriani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507003>

[PDF \(1.845 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Utilization of Fish Waste Processing as Compost Raw Material in Tambak Lorok Market 07004

Ilga Mega Kusuma, Syafrudin and Bambang Yulianto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507004>

[PDF \(1.851 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Liquid of Organic Fertilizer from Waste of Market Conventional System Applied on Agronomic Observation of *Setaria Splendida* Stapf at Various Ages Defoliation 07005

Eko Hendarto and Muslihudin Muslihudin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507005>

[PDF \(1.899 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Review Modeling of Solid Waste Transportation Routes Using Geographical Information System (GIS) 07006

Dian Haerani, Syafrudin and Sasongko Setia Budi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507006>

[PDF \(1.784 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Factors Affecting Waste Generation: Household Study in Palangka Raya City, Central Kalimantan 07007

H Herianto, M Maryono and Mochamad Arief Budihardjo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507007>

[PDF \(1.713 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

Optimization of Organic Waste Composting in Diponegoro University with the Use of *Pterocarpus indicus* as Bio-activator 07008

Fadel Iqbal Muhammad and Mochamad Arief Budihardjo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507008>

[PDF \(1.753 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[The Study of Solid Waste Management to Extend the Lifetime of Sukoharjo Landfill, Pati Regency](#) 07009

Mei Viantikasari, P Purwanto and Mochamad Arief Budihardjo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507009>

[PDF \(1.965 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Study of Waste Bank's Condition in Semarang City](#) 07010

Mochtar Hadiwidodo, Budi Prasetyo Samadikun and Desy Arinasandi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507010>

[PDF \(1.856 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Physical and Antimicrobial Properties of Hydroxypropyl Starch Bio-plastics Incorporated with Nyamplung \(Calophyllum inophyllum\) Cake Extract as an Eco-Friendly Food Packaging](#) 07011

Rini Umiyati, Chusnul Hidayat, Ria Millati and Teguh Ariyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507011>

[PDF \(2.058 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Stability Performance of the Mixture of Bentonite and Zeolite as Landfill Liner](#) 07012

Mochamad Arief Budihardjo, Fadel Iqbal Muhammad, Alfian Rizky Rizaldianto, Endro Sutrisno and Irawan Wisnu Wardhana

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507012>

[PDF \(1.910 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Community Participation in Household Waste Management: An Exploratory Study in Indonesia](#) 07013

Anantya Novega Santoso and Farizal

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507013>

[PDF \(1.683 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Assessment of Sustainability Process Using Multi-grade Fuzzy in CV. Indo Jati Utama](#) 07014

Aries Susanty, Bambang Purwanggono and Raudina Huduni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507014>

[PDF \(2.097 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Algal Concentration Dynamical Model Simulation in Sewon, Bantul, Yogyakarta](#)
[Facultative Wastewater Treatment Pond](#) 07015

Sunarsih, Widowati, Kartono and Sutrisno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507015>

[PDF \(1.819 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[The Effect Of Mining Activities On The Quality Conditions Of Fe In Wastewater At](#)
[Tenggarong East Kalimantan](#) 07016

Sujiman

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507016>

[PDF \(1.705 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Low Impact Development \(LID\) as an effort to achieve a sustainable urban drainage](#)
[system \(SUDS\). Case Study: Left Side Of Garang River Segment VI Semarang](#) 07017

Anik Sarminingsih, Ganjar Samudro and Aisyatul Mas'adah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507017>

[PDF \(2.836 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Green Roof to Overcome Urban Heat Island Effects in the Center of Semarang](#) 07018

Dwi Nur Luthfiyyah and Retno Widjajanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507018>

[PDF \(2.294 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Estimation of Waste Generation from Tidal Flood in North Semarang Sub-District

07019

All Denicko Roynaldi and Maryono Maryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507019>

[PDF \(2.556 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Introduction Study of Tidal Flood Waste Management Cost in North Semarang Sub-District 07020

Nandita Nur Rahma, Maryono Maryono and Widjanarko Widjanarko

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912507020>

[PDF \(1.948 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Green Infrastructure and Resilience*

☐ Open Access

Did We Need Low Energy Campus Mosque? 08001

Bangun IR Harsritanto, Satrio Nugroho, Muhammad Denton Alif Ghafirin and Aditya Rio Prabowo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912508001>

[PDF \(2.034 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Local-Dis-Connection: The Influence of Semarang-Solo Toll Road to Socio-Spatial Disintegration 08002

Susiyowati Indah Ayuni and S. Sariffuddin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912508002>

[PDF \(2.179 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Effect Of Green Marketing Of Plastic Bag Ban Policy In Modern Retail Stores On Consumer Green Behavior In Bogor City 08003

Harfin Nurulhaq and Kismartini

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912508003>

[PDF \(1.885 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Culture and Environment Development in Coastal Community*

☐ Open Access

Meta-analysis of community's adaptation pattern with tidal flood in Pekalongan City, Central Java, Indonesia 09001

Fara Dwi Sakti Kartika, Muhammad Helmi and Amirudin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509001>

[PDF \(1.843 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Cultural Environment in Coastal Islamic Boarding School Regarding the Form of Politeness to Kyai 09002

Riris Tiani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509002>

[PDF \(1.870 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Existence Culture and Environmental Development Of Monel Crafts In The North Coast Of Jawa (Jepara Coastal Community) 09003

Sri Indrahti and Bintang Andini

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509003>

[PDF \(2.118 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Function of Traditional Snacks and Fruits at Chinatown Semarang - A Case Study on Semarang Northcoast Maritime Culture 09004

Catur Kepirianto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509004>

[PDF \(1.841 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

An Evaluation of Tsunami Hazard Modeling in Gunungkidul Coastal Area using UAV Photogrammetry and GIS. Case Study: Drini Coastal Area 09005

Muh Aris Marfai, Hendy Fatchurohman and Ahmad Cahyadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509005>

[PDF \(2.400 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Dynamics of the Community of Kampung Batik Semarang in Overcoming Slumness 09006

Titiek Suliyati, Dewi Yuliati, Slamet Subekti and Tri Handayani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509006>

[PDF \(1.891 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Broadcasting Applications of Local Wisdom Character on Coastal Environment in Communication Media 09007

Riris Tiani and M. Suryadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509007>

[PDF \(1.794 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Bangka Belitung Islands: Great Potencies of Massive Environmental Impacts 09008

Hartuti Purnaweni, Kismartini, Bulan Prabawani and Ali Roziqin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509008>

[PDF \(1.695 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Ecocultural Tourism in Tegal Regency 09009

Siswo Harsono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509009>

[PDF \(2.318 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Explaining the Natural Materials of Traditional Kitchen Appliances In the Javanese Coastal Communities Based on Internal Structure Formation of Lingual Units 09010

M. Suryadi and Riris Tiani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509010>

[PDF \(1.697 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Development of Cultural Value of the Activities of Eating in the Communities of Javanese Coastal Area through the Reconstruction of Semantic Components 09011

M. Suryadi, Sri Puji Astuti and Mujid F Amin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509011>

[PDF \(1.764 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Javanese of Tegal: an Ecological Evidence](#) 09012

Mualimin Mualimin, Marsono Marsono and Suhandano Suhandano

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509012>

[PDF \(1.991 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Maintaining Harmonious Social Environment among Fishermen on the North Coast of Central Java through Seafaring Myths](#) 09013

Agus Subiyanto, Nurhayati and Astri Adriani Allien

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509013>

[PDF \(1.745 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Integration of Human Resources and the Environment on Productive Migrant Village Programs in Banyumas Indonesia](#) 09014

Muslihudin Muslihudin, Tyas Retno Wulan, Tri Sugiarto, Sotyania Wardhianna and Sri Wijayanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509014>

[PDF \(1.670 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Behavior Analysis of Traders Regarding Waste Management In The Wonodri Market In Semarang](#) 09015

Ririn Wahyuni, Purwanto AP and Hartuti Purnaweni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509015>

[PDF \(1.679 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Analysis of Household Expenditures on Education in Semarang City, Indonesia Using Tobit Regression Model](#) 09016

Alan Prahutama, Agus Rusgiyono, Sudarno, Moch. Abdul Mukid and Tatik Widiharah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509016>

[PDF \(1.956 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Influence of Local Taboos and Beliefs on Social Practice of Fisheries Community in North Coast of Central Java to Develop Environment in Industrial Revolution 4.0

09017

Nurhayati, Agus Subiyanto and Astri Adriani Allien

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509017>

[PDF \(1.639 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Rattan as a Craft Material of Community on the North Coast of Java (Rattan Craft Study in Teluk Wetan Jepara)

09018

Alamsyah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509018>

[PDF \(1.946 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Preserving Javanese Culture by Junior Highschool Students in Northern Semarang District as Javanese Language Environment to Promote Local Tourism Industry

09019

Wiwiek Sundari

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509019>

[PDF \(1.866 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Linguistic Landscape of Kampung Bahari Presenting the Coastal Community Development of Tambak Lorok Semarang

09020

Deli Nirmala

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912509020>

[PDF \(1.671 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Energy Management and Policy

☐ Open Access

Policy on Timber Legality Verification System for Sustainable Public Procurement and Green Products

10001

Tuharno Tuharno, Hartuti Purnaweni and Fuad Muhammad

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510001>

[PDF \(1.713 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Revealing Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX) Emission at Gas Stations, Case Study in Semarang City 10002

Haryono S Huboyo, Irawan W Wardhana and Auliafika Resminingpuri

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510002>

[PDF \(1.955 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Testing of Solar Power Plant Components Off-Grid Systems and Engineering Economic Analysis at Cemara Island, Brebes Regency, Indonesia 10003

Jaka Windarta, Ardhito Pratama, Denis and Agung Nugroho

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510003>

[PDF \(2.101 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

New and Renewable Energy Policy in Developing Indonesia's National Energy Resilience 10004

Sekar Anggun Gading Pinilih and Wiana Laelaputri Chairunnisa

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510004>

[PDF \(1.944 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Energy Balance Calculation with Life Cycle Assessment for Production of Palm Biodiesel in Indonesia 10005

Yoyon Wahyono, H. Hadiyanto, Mochamad Arief Budihardjo and Widayat

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510005>

[PDF \(1.717 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Potential of Hydrogen Production Through Alkaline Water Electrolysis Using Solar Radiation Around Semarang 10006

Ruth Pranindia Widarningtyas, Sulistyo and Widayat

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510006>

[PDF \(1.945 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Effect of Energy Consumption and Economic Growth towards the environmental quality of Indonesia 10007

Shanty Oktavilia, FX. Sugiyanto, Firmansyah, Amin Pujiati and Andryan Setyadharma

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510007>

[PDF \(1.617 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The effect of company financial performance and company characteristics on Greenhouse Gas (GHG) Emission Disclosure 10008

Indah Fajarini Sri Wahyuningrum, Hadrian Djajadikerta and Ema Suprapti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510008>

[PDF \(2.202 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Considering Social Aspects of Geothermal Project: The Case of Social Mapping of Geothermal Project on Mount Ungaran 10009

Budi Setiyono, Agus Setyawan, Jamari, Heru Susanto, Eko Punto, Yogaribowo, Wahid Abdulrahman, Aris Edi Susangkiyono, Risman Chandra Budiman, Yuafrinaldi and Zukruf Delfa

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912510009>

[PDF \(1.717 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Energy Planning and Education

☐ Open Access

The Development of Energy Tourism Village in Indonesia: a Case Study in Nusa Penida 11001

Tasdik Darmana and Tony Koerniawan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912511001>

[PDF \(1.834 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Design and Analysis of Technical Economics of Off-grid Systems Solar Power Plant Using Homer at Cemara Island, Brebes Regency 11002

Jaka Windarta, Denis, Agung Nugroho and Bimo Bagaskoro

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912511002>

[PDF \(2.164 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Energy Conservation and Efficiency*

☐ Open Access

[A Simple Homemade Electrospinning for Nanoscale Fibres Production](#) 12001

Ngurah Ayu Ketut Umiati, V.G.S. Kadarisman, Agus Subagio and Kunto Wandono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912512001>

[PDF \(1.794 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Energy Efficiency Improvement Strategies for Boilers: A Case Study in Pharmacy Industry](#) 12002

Silvy Djayanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912512002>

[PDF \(1.790 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Energy Conversion Technology*

☐ Open Access

[Auto-Stirring Grains Bed Dryer as an Innovative Efficiency Solution](#) 13001

Dandy Z. Sjechlad, J Jamari and SA Widyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912513001>

[PDF \(2.315 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Electrical Energy Production Process from Landfill Gas](#) 13002

Isworo Pujotomo and Septianissa Azzahra

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912513002>

[PDF \(1.907 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Energy and Exergy Analysis of Steam Power Plant 3rd Unit PT PLN \(PERSERO\) Centre Unit Generation Tanjung Jati B Use BFP-T Modification Cycle](#) 13003

MSK. Tony Suryo U, Eflita Yohana, Syarif Dwi Priyanto, Ignatius Apriyanto M. and Tauviquirrahman

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912513003>

[PDF \(2.377 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

The Effect of Binding Types on the Biomass Briquette Calorific Value from Cow Manure as a Solid Energy Source 13004

Amanda Anatasya, Ngurah Ayu Ketut Umiati and Agus Subagio

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912513004>

[PDF \(1.892 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Plastic Waste Pyrolysis Optimization to Produce Fuel Grade Using Factorial Design 13005

Renanto Pandu Wirawan and Farizal

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912513005>

[PDF \(1.878 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Renewable Energy

☐ Open Access

Simulation of 20 kV Biomass Power Plant Interconnection System 14001

Adri Senen, Isworo Pujotomo and Yoakim Simamora

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514001>

[PDF \(2.022 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Geothermal Systems Characteristics in Pesanggrahan Area, Bawang Distric, Batang Regency, Based on Geology and Geochemistry Analysis 14002

Rakhmadi Sulistyanto, Udi Harmoko and Gatot Yuliyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514002>

[PDF \(2.261 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Experimental Study of Wind Booster Addition for Savonius Vertical Wind Turbine of Two Blades Variations Using Low Wind Speed 14003

Eflita Yohana, MSK. Tony Suryo U, Binawan Luhung, Mohamad Julian Reza and M Badruz Zaman

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514003>

[PDF \(1.963 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Single Phase AC Current Controller by Using Hysteresis Method 14004

Zulkhairi, Mochammad Facta, Trias Andromeda, Hermawan and Iwan Setiawan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514004>

[PDF \(1.751 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Comparison of SOGI-FLL with SOGI-PLL for Single-Phase Grid-Connected Inverters](#) 14005

Royan, Trias Andromeda, Mochammad Facta, Hermawan and Iwan Setiawan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514005>

[PDF \(277.9 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Simulation of Grid-Tied Photovoltaic System Based on Solar Irradiance and Temperature Data in Semarang](#) 14006

Ahmed Jumui Sumoi Fomba, Hermawan Hermawan, Trias Andromeda, Mochammad Facta and Iwan Setiawan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514006>

[PDF \(2.785 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Solar Power Plant Grid Interactive and Building Integration Photovoltaic](#) 14007

Septianissa Azzahra, Isworo Pujotomo and Muchamad Nur Qosim

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514007>

[PDF \(1.805 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Reservoir Identification Based on Gravity Method at "AUN" Geothermal Field](#) 14008

Annisa Dwi Hafidah, Yunus Daud and Alfian Usman

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514008>

[PDF \(2.413 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Plasma gasification modeling of municipal solid waste from Jatibarang Landfill in Semarang, Indonesia: analyzing its performance parameters for energy potential](#) 14009

Priyo Adi Sesotyo, Muhammad Nur and Jatmiko Endro Suseno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514009>

[PDF \(1.946 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Waste Cooking Oil into Biodiesel Transformation and its Economical Potency through Circular Economic Model in Semarang Barat Area Indonesia](#) 14010

Arie Wicaksono, Widayat and Singgih Saptadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514010>

[PDF \(1.960 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Production of Fuels From HDPE and LDPE Plastic Waste via Pyrolysis Methods](#) 14011

Enggar Hero Istoto, Widayat and Singgih Saptadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514011>

[PDF \(1.860 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Delineation of Geothermal Manifestation in Sangubanyu Area Based on Microtremor HVSr Method](#) 14012

Dwi Sudarmawan Sudjono, Udi Harmoko and Gatot Yuliyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514012>

[PDF \(2.047 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Analysis Performance of Grid Tie Photovoltaic Type Polycrystalline Using Solar Irradiance Simulation](#) 14013

Kurniawan Galih Putra Pratama, Hermawan Hermawan and Trias Andromeda

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514013>

[PDF \(2.072 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Potential Utilization of Dairy Cattle Waste into Biogas \(Jetak Village, Semarang City, Central Java\)](#) 14014

Andhina Putri, P Purwanto and Hartuti Purnaweni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514014>

[PDF \(1.893 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Progress on Nanomaterials for Photoelectrochemical Solar Cells: from Titania to Perovskites 14015

Indriana Kartini

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912514015>

[PDF \(2.178 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Non-renewable Energy/Fossil Energy*

☐ Open Access

Drilling Optimization of Tight Sands and Shale Gas Reservoir in Jambi Sub-Basin Based on Pore Pressure Estimation Using Drilling Efficiency Mechanical Specific Energy (DEMSE) and Bowers Methods 15001

Benny Abraham Bungasalu, M. Syamsu Rosid and Don S. Basuki

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515001>

[PDF \(2.599 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Pore Type and Porosity Distribution of Carbonate Reservoir Based on 3D Seismic Inversion in "P" Field Salawati Basin 15002

Avishena Prananda, Mohammad Syamsu Rosid and Robet Wahyu Widodo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515002>

[PDF \(3.654 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Identification of Hydrocarbon Gas and Discriminate CO₂ Using Lamé Parameter and Batzle-Wang Model 15003

Alvian Yogi Pamungkas, Mohammad Syamsu Rosid and Mochammad Wahdanadi Haidar

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515003>

[PDF \(3.130 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Identify the Oil Seepage in Plantungan Geothermal Manifestation, Kendal Using HVSR Method 15004

Fatma, Gatot Yuliyanto and Udi Harmoko

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515004>

[PDF \(2.169 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Reducing Residual Moveout for Long Offset Data in VTI Media Using Padé Approximation](#) 15005

Indah Nur Pratiwi, Mohammad Syamsu Rosid and Humbang Purba

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515005>

[PDF \(1.115 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Porosity Prediction Using Neural Network Based on Seismic Inversion and Seismic Attributes](#) 15006

Taufik Mawardi Sinaga, M. Syamsu Rosid and M. Wahdanadi Haidar

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912515006>

[PDF \(2.141 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Epidemiology Related to Disease and Health Event Prevention and Control

 Open Access

[Spatial Analysis of Tuberculosis Patients' Health Access in Bandar Lampung](#) 16001

Dyah Wulan Sumekar Rengganis Wardani and Endro Prasetyo Wahono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516001>

[PDF \(1.852 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Analysis of TB-DM Collaboration Program at the Hospital in Semarang City, Indonesia](#) 16002

Sulistiyani, Bagoes Widjanarko, Praba Ginandjar, K. Heri Nugroho, Tri Dewi Kristini, Sugeng Rianto and Novia Handayani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516002>

[PDF \(1.753 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Developing *Aedes Albopictus* as a Vector With Sterile Insect Technique \(SIT\) to Control Dengue in Semarang City](#) 16003

Martini Martini, Dirga Maulida, Ali Rahayu, Nissa Kusariana, Retno Hestningsih and Sri Yulawati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516003>

[PDF \(1.799 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Epidemiology of primary brain tumors in dr. Kariadi Hospital Semarang in 2015-2018](#) 16004

Rahmi Ardhini and Dodik Tugasworo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516004>

[PDF \(1.663 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Nanoparticle of Silver Nitrate \(Ag₂NO₃\) and Carbamate \(CO₂NH₃ derivatives\) For Vector Control of *Aedes aegypti*](#) 16005

Mursid Raharjo, Agus Subagyo and Sulistyani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516005>

[PDF \(1.443 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Analysis of Heat Pressure with Systolic-Diastolic Blood Pressure and Fatigue in Karak Industrial Workers Gadingan Sukoharjo](#) 16006

Seviana Rinawati, Siti Utari, Siti Rachmawati and Iwan Suryadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516006>

[PDF \(1.494 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Optimization of MSCT Tracking Images on Ureters against Noise Assessment with ASIR Variations](#) 16007

Nanang Sulaksono, Jeffri Ardiyanto and Vederica Farida Candra

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912516007>

[PDF \(1.560 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Managerial Epidemiology

☐ Open Access

[Analysis of Work Capacity and Chromium Exposure on Lung Function Capacity in Metal Coating Worker](#) 17001

Ida Wahyuni, Yuliani Setyaningsih and Ekawati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912517001>

[PDF \(1.455 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Public Health Policy Practice for Early-Age Marriage in Gunung Kidul, Indonesia: An Evaluation of Regent Regulation Practice on Child Health 17002

Restu Anandya Palupi, Wahyu Sulistiadi and Al Asyary

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912517002>

[PDF \(2.241 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Understanding Implementation of Patient Safety Goals Framework at Inpatient Unit of Ciracas General Hospital, Indonesia 17003

Aditya Galatama Purwadi, Wahyu Sulistiadi and Al Asyary

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912517003>

[PDF \(1.765 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Occupational Epidemiology*

☐ Open Access

Differentiation Image Quality of MRI Shoulder Joint with Variation RF Coils 18001

Sri Mulyati, Luthfi Rusyadi, Ika Mentari Putri Rahmawati, Fatimah, Ardi Soesilo Wibowo, Rini Indrati and Rasyid

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912518001>

[PDF \(1.458 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Nutritional Epidemiology*

☐ Open Access

The Effect of Operating Conditions on Curcumin Extracted from Turmeric by Hydrothermal Extraction 19001

Mohamad Endy Yulianto, Rizka Amalia, Vita Paramita, Indah Hartati, Nissa Ayu Maulinda and Muhammad Aziz Shulthoni

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912519001>

[PDF \(1.516 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Behavioral Epidemiology*

☐ Open Access

Reflectivity of HIV/AIDS Survivors as Risk Society in Dealing with Medical Risk 20001

Argyo Demartoto, Bhisma Murti and Siti Zunariyah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912520001>

- *Business Intelligence*

☐ Open Access

[Cybercrime Business Digital in Indonesia](#) 21001

Mochammad Fahlevi, Mohamad Saparudin, Sari Maemunah, Dasih Irma and Muhamad Ekhsan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912521001>

[PDF \(1.891 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Implementation of C4.5 Algorithm and Forward Chaining Method for Higher Education Performance Analysis](#) 21002

Mochamad Idris, Mustafid and Jatmiko Endro Suseno

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912521002>

[PDF \(1.845 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Analysis of Customer Behavior Factors on Subscription-Based Music Services](#) 21003

Nia Budi Puspitasari, Aries Susanty and Muhammad Faiz Aji Prakoso

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912521003>

[PDF \(2.006 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[DoS Attack Prevention Using Rule-Based Sniffing Technique and Firewall in Cloud Computing](#) 21004

Kagiraneza Alexis Fidele and Agus Hartanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912521004>

[PDF \(2.048 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- *Industrial Information Systems*

☐ Open Access

[The Effect of Socialization, Sanction, and E-Filing on Annual SPT Reporting](#) 22001

I Nyoman Simpen, Muhammad Nur Abdi, Mochammad Fahlevi, Rinto Noviantoro and Muhtar

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522001>

[PDF \(1.754 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Using System Dynamics to Analyze the Leadership Style on Motivation and Soldier's Performance](#) 22002

Bambang Suharjo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522002>

[PDF \(1.874 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Preventing Human Error on Online Transaction \(A Case Study of B.com\)](#) 22003

Novie Susanto, Heru Prastawa, Zodiake Loventa, Muhammad Lufti and Felix Pandan

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522003>

[PDF \(1.806 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Improving Quality of PVC Pipes Using Taguchi Method](#) 22004

Farida Ariani, Khawarita Siregar, Khalida Syahputri and Indah Rizkya

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522004>

[PDF \(1.496 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Reliability Centered Maintenance to Determine Priority of Machine Damage Mode](#) 22005

Indah Rizkya, Ikhsan Siregar, Khawarita Siregar, Rahim Matondang and Enrico Waldo Henri

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522005>

[PDF \(2.010 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[System of Performance Evaluation of Rice Paddy Production with Data Envelopment Analysis](#) 22006

Qori Halimatul Hidayah, Mustafid and Kusworo Adi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912522006>

[PDF \(1.590 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Decision Support Systems

☐ Open Access

Bibliometric Analysis of Publications in the Scopus Database: A Study at Diponegoro University during 2014-2018 23001

Yos Johan Utama, Budi Setiyono, Jamari, Mohammad Tauviqirrahman and Heru Susanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523001>

[PDF \(1.747 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Soil Moisture Prediction using Fuzzy Time Series and Moisture sensor Technology on Shallot Farming 23002

Dedy Rahman Prehanto, Aries Dwi Indriyanti, Chamdan Mashuri and Ginanjar Setyo Permadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523002>

[PDF \(1.756 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Consumer Customs Analysis Using the Association Rule and Apriori Algorithm for Determining Sales Strategies in Retail Central 23003

Ahmad Heru Mujianto, Chamdan Mashuri, Anita Andriani and Febriana Dwi Jayanti

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523003>

[PDF \(2.201 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Decision Support Systems Selection of Soang Superior Brood Using Weighted Product (WP) and Simple Additive Weighting (SAW) Method 23004

Ramadiani, Reynaldi Kurniawan, Awang Harsa Kridalaksana and Muhammad Labib Jundillah

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523004>

[PDF \(2.414 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Gaussian Prediction Method to Enhance Energy Efficient in Energy Aware AODV 23005

Muhammad Arief Hidayat, Aghus Sofwan and Agung Budi Prasetyo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523005>

[PDF \(1.826 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Forecasting of Groundwater Tax Revenue Using Single Exponential Smoothing Method 23006

Dyna Marisa Khairina, Aqib Muaddam, Septya Maharani and Heliza Rahmania

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523006>

[PDF \(1.728 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Using Fuzzy Time Series \(FTS\) and Linear Programming for Production Planning and Planting Pattern Scheduling Red Onion](#) 23007

Aries Dwi Indriyanti, Dedy Rahman Prehanto, Ginanjar Setyo Permadi, Chamdan Mashuri and Tanhella Zein Vitadiar

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523007>

[PDF \(1.679 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Weighted Product Method for Selection of Superior Seeds Catfish in the Clarias Gariepinus Types \(Sangkuriang\)](#) 23008

Septya Maharani, Swadika Ibnu Persyadha, Dedy Cahyadi and Mufadhol Mufadhol

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523008>

[PDF \(1.639 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Production Time Optimization using Campbell Dudek Smith \(CDS\) Algorithm for Production Scheduling](#) 23009

Chamdan Mashuri, Ahmad Heru Mujiyanto, Hadi Sucipto, Rinaldo Yudianto Arsam and Ginanjar Setyo Permadi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523009>

[PDF \(1.751 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Why do Customers Intend to Repurchase Transportation Online in Indonesia?](#) 23010

Sabar Sutia, Shultonnyck Adha and Mochammad Fahlevi

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523010>

[PDF \(1.548 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[The Decision Making Trial and Evaluation Laboratory \(Dematel\) and Analytic Network Process \(ANP\) for Learning Material Evaluation System](#) 23011

Ginanjar Setyo Permadi, Tanhella Zein Vitadiar, Terdy Kistofer and Ahmad Heru Mujiyanto

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523011>

[PDF \(2.437 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Ant Colony Algorithm for Determining Dynamic Travel Routes Based on Traffic Information from Twitter](#) 23012

Edy Subowo, Eko Sedyono and Farikhin

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523012>

[PDF \(2.364 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Design of Indoor Room Gas CO and SO₂ Detection Based on Microcontroller Using Fuzzy Logic](#) 23013

Slamet Widodo, M.Miftakhul Amin and Ahyar Supani

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523013>

[PDF \(1.531 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Usability evaluation to approve an information system design \(case study: Immunization monitoring interface design\)](#) 23014

Dinar M K Nugraheni, Iga Alicy and Beta Noranita

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523014>

[PDF \(1.699 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

[Forecasting of Rainfall in Central Java using Hybrid GSTAR-NN-PSO Model](#) 23015

Hasbi Yasin, Budi Warsito, Rukun Santoso and Arief Rachman Hakim

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912523015>

[PDF \(1.737 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Smart Information Systems

☐ Open Access

[Evaluation of E-learning Websites Using the Webqual Method and Importance Performance Analysis](#) 24001

Muhammad Labib Jundillah, Jatmiko Endro Suseno and Bayu Surarso

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912524001>

[PDF \(1.826 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

- Health, Safety, and Environment Information Systems

☐ Open Access

Information System for Analysis of the Need of Doctors Using K-Means Clustering and Chi-Square Test 25001

Nova Christina Sari, Retno Kusumaningrum and Suryono Suryono

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525001>

[PDF \(1.844 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Digital Forensic InnoDB Database Engine for Employee Performance Appraisal Application 25002

Daniel Yeri Kristiyanto, Bambang Suhartono and Agus Wibowo

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525002>

[PDF \(2.219 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Web-Based Wireless Monitoring System on Patient's Vital Sign 25003

Mery Subito, Alamsyah and Ardi Amir

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525003>

[PDF \(2.000 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Mobile Application of Electronic Prescribing for Supporting E-Health Services 25004

M. Miftakul Amin, Adi Sutrisman, Deris Stiawan and Ermatita

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525004>

[PDF \(1.657 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

☐ Open Access

Application of Internet of Things (IoT) on air pollution monitoring database system 25005

Sudarsono, Muhammad Andang Novianta and Cyrilla Indri Parwati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525005>

 Open Access

[Effect of frequency, temperature, and time of sonication on xanton content of mangosteen \(*Garcinia mangostana* L.\) peel extract through ultrasound assisted extraction](#) 25006

Suryono Suryono, Hadiyanto Hadiyanto, Moh. Yasin, Retno Widyowati, Muflihatul Muniroh and Annisa` Amalia

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525006>

[PDF \(1.443 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

 Open Access

[Hybrid Particle Swarm and Conjugate Gradient Optimization in Neural Network for Prediction of Suspended Particulate Matter](#) 25007

Budi Warsito, Alan Prahutama, Hasbi Yasin and Sri Sumiyati

Published online: 28 October 2019

DOI: <https://doi.org/10.1051/e3sconf/201912525007>

[PDF \(1.496 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

E3S Web of Conferences

eISSN: 2267-1242

Copyright / Published by: [EDP Sciences](#)



[Mentions légales](#)

[Contacts](#)

[Privacy policy](#)



MINISTRY OF RESEARCH, TECHNOLOGY AND HIGHER EDUCATION
DIPONEGORO UNIVERSITY
SCHOOL OF POSTGRADUATE STUDIES



4th ICENIS 2019

International Conference on Energy, Environment, Epidemiology and Information System

CERTIFICATE

Number : 1834/UN7.5.12/TU/2019

This is to certify that

Hasbi Yasin

Has participated as

INVITED SPEAKER

**"STRENGTHENING PLANNING & IMPLEMENTATION OF ENERGY, ENVIRONMENT, EPIDEMIOLOGY
AND INFORMATION SYSTEM AS A RESPOND TO INDUSTRIAL REVOLUTION 4.0"**

August 7th - 8th, 2019



Dean
Dr. R.B. Surtarto, S.H., M.Hum
NIP.196701011991031005



Chair of Organizing Committee,

Dr. Budi Warsito, S.Si, M.Si
NIP.197508241999031003