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

Judul Makalah (Artikel)	:	Feed Forward Neural Network Modeling for Rainfall Prediction
Jumlah Penulis	:	3 Orang Penulis ke : 1
Nama Penulis	:	**Hasbi Yasin**, Budi Warsito, Rukun Santoso
Identitas Makalah		
a. Nama Prosiding	:	E3S Web of Conferences
b. Nomor ISSN	:	2267-1242
c. Volume, No, Bulan, Tahun	:	Vol. 73, December 2018
d. Penerbit	:	EDP Sciences
e. DOI artikel (jika ada)	:	https://doi.org/10.1051/e3sconf/20187305017
f. Alamat web	:	https://www.e3s-conferences.org/articles/e3sconf/abs/2018/48/e3sconf_icenis18_05017/e3sconf_icenis18_05017.html
g. Indexing	:	Scopus

Kategori Publikasi Makalah (beri ✓pada kategori yang tepat) :
- [✓] *Prosiding* Internasional Terindeks Scopus
- [ ] *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%)	3	2,5	2,75
b. Ruang lingkup dan kedalaman pembahasan (30%)	8	8,6	8,3
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	8	8,3	8,15
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	8,0	8,5
Total = (100%)	28	27,4	27,7

Semarang, 4/April 2019

Reviewer 2

Drs. Sudarno, M.Si
NIP. 19640709 199201 1 001

Unit kerja :
Departemen Statistika Undip

Reviewer 1

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

Unit kerja :
Departemen Statistika Undip

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

Judul Makalah (Artikel)	:	Feed Forward Neural Network Modeling for Rainfall Prediction
Jumlah Penulis	:	3 Orang Penulis ke : 1
Nama Penulis	:	**Hasbi Yasin**, Budi Warsito, Rukun Santoso
Identitas Makalah		
a. Nama Prosiding	:	E3S Web of Conferences
b. Nomor ISSN	:	2267-1242
c. Volume, No, Bulan, Tahun	:	Vol. 73, December 2018
d. Penerbit	:	EDP Sciences
e. DOI artikel (jika ada)	:	https://doi.org/10.1051/e3sconf/20187305017
f. Alamat web	:	https://www.e3s-conferences.org/articles/e3sconf/abs/2018/48/e3sconf_icenis18_05017/e3sconf_icenis18_05017.html
g. Indexing	:	Scopus

Kategori Publikasi Makalah (beri ✓pada kategori yang tepat) :
- [✓] *Prosiding* Internasional Terindeks Scopus
- [ ] *Prosiding* Internasional
- [ ] *Prosiding* Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Prosiding: Internasional Terindeks Scopus (30)	Nilai Akhir Yang Diperoleh
a. Kelengkapan unsur isi buku (10%)	3	2,75
b. Ruang lingkup dan kedalaman pembahasan (30%)	9	8,3
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9	8,15
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	8,5
Total = (100%)	**30**	27,7

Semarang, 4 April 2019

Reviewer 2

Drs. Sudarno, M.Si
NIP. 19640709 199201 1 001

Unit kerja :
Departemen Statistika Undip

Reviewer 1

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

Unit kerja :
Departemen Statistika Undip

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

Judul Makalah (Artikel)	:	Feed Forward Neural Network Modeling for Rainfall Prediction
Jumlah Penulis	:	3 Orang Penulis ke : 1
Nama Penulis	:	**Hasbi Yasin**, Budi Warsito, Rukun Santoso
Identitas Makalah		
a. Nama Prosiding	:	E3S Web of Conferences
b. Nomor ISSN	:	2267-1242
c. Volume, No, Bulan, Tahun	:	Vol. 73, December 2018
d. Penerbit	:	EDP Sciences
e. DOI artikel (jika ada)	:	https://doi.org/10.1051/e3sconf/20187305017
f. Alamat web	:	https://www.e3s-conferences.org/articles/e3sconf/abs/2018/48/e3sconf_icenis18_05017/e3sconf_icenis18_05017.html
g. Indexing	:	Scopus

Kategori Publikasi Makalah (beri ✓pada kategori yang tepat) :
- [✓] *Prosiding* Internasional Terindeks Scopus
- [ ] *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			3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9			8
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			9
Total = (100%)	**30**			28
Kontribusi Pengusul (Penulis Pertama)				**18 (60%)**

Komentar Peer Review:

a. Kelengkapan dan kesesuaian unsur: .....
lengkap
.....

b. Ruang lingkup dan kedalaman pembahasan: .....
penomoran gambar tidak konsisten
equation kurang tajam

c. Kecukupan dan kemutahiran data/informasi dan metodologi:
cukup baik namun belum maksimal
.....

d. Kelengkapan unsur dan kualitas penerbit: .....
lengkap
.....

e. Indikasi Plagiasi: .....
tidak ada

f. Kesesuaian bidang ilmu: .....
Sesuai

Semarang, 13-8-2019
Reviewer 1

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

Unit kerja:
Departemen Statistika Undip
Jabatan Fungsional:
Lektor Kepala

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

Judul Makalah (Artikel)	:	Feed Forward Neural Network Modeling for Rainfall Prediction
Jumlah Penulis	:	3 Orang Penulis ke : 1
Nama Penulis	:	**Hasbi Yasin**, Budi Warsito, Rukun Santoso
Identitas Makalah		
a. Nama Prosiding	:	E3S Web of Conferences
b. Nomor ISSN	:	2267-1242
c. Volume, No, Bulan, Tahun	:	Vol. 73, December 2018
d. Penerbit	:	EDP Sciences
e. DOI artikel (jika ada)	:	https://doi.org/10.1051/e3sconf/20187305017
f. Alamat web	:	https://www.e3s-conferences.org/articles/e3sconf/abs/2018/48/e3sconf_icenis18_05017/e3sconf_icenis18_05017.html
g. Indexing	:	Scopus

Kategori Publikasi Makalah (beri ✓pada kategori yang tepat) :
- [✓] *Prosiding* Internasional Terindeks Scopus
- [ ] *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			8,6
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9			8,3
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			8,0
Total = (100%)	**30**			27,4
Kontribusi Pengusul (Penulis Pertama)				**18 (60%)**

Komentar Peer Review:

a. Kelengkapan dan kesesuaian unsur: .....
Hasil penelitian belum tersampaikan di abstrak
conclusion belum menjawab judul makalah

b. Ruang lingkup dan kedalaman pembahasan: .....
Pernyataan penelitian yang sejenis tidak disajikan.
model terapan belum dibahas.

c. Kecukupan dan kemutahiran data/informasi dan metodologi:
Referensi kurang banyak, jurnal dan sitasinya
tidak lengkap.

d. Kelengkapan unsur dan kualitas penerbit: .....
lengkap dan baik

e. Indikasi Plagiasi: .....
tidak terlihat

f. Kesesuaian bidang ilmu: .....
sesuai

Semarang, 19/9-2019
Reviewer 2

Drs. Sudarno, M.Si.
NIP. 19640709 199201 1 001

Unit kerja:
Departemen Statistika Undip
Jabatan Fungsional:
Lektor Kepala

Scopus

Document details

< Back to results | < Previous 3 of 18 Next >

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher

E3S Web of Conferences
Volume 73, 21 December 2018, Article number 05017
3rd International Conference on Energy, Environmental and Information System, ICENIS 2018;
Semarang; Indonesia; 14 August 2018 through 15 August 2018; Code 143635

Feed Forward Neural Network Modeling for Rainfall Prediction (Conference Paper)

(Open Access)

Hasbi, Y., Budi, W., Rukun, S.

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

Abstract

View references (9)

Prediction of rainfall data by using Feed Forward Neural Network (FFNN) model is proposed. FFNN is a class of neural network which has three layers for processing. In time series prediction, including in case of rainfall data, the input layer is the past values of the same series up to certain lag and the output layer is the current value. Beside a few lagged times, the seasonal pattern also considered as an important aspect of choosing the potential input. The autocorrelation function and partial autocorrelation function patterns are used as aid of selecting the input. In the second layer called hidden layer, the logistic sigmoid is used as activation function because of the monotonic and differentiable. Processing is done by the weighted summing of the input variables and transfer process in the hidden layer. Backpropagation algorithm is applied in the training process. Some gradient based optimization methods are used to obtain the connection weights of FFNN model. The prediction is the output resulting of the process in the last layer. In each optimization method, the looping process is performed several times in order to get the most suitable result in various composition of separating data. The best one is chosen by the least mean square error (MSE) criteria. The least of in-sample and out-sample predictions from the repeating results been the base of choosing the best optimization method. In this study, the model is applied in the ten-daily rainfall data of ZOM 136 Cokrotulung Klaten. Simulation results give a consecution that the more complex architecture is not guarantee the better prediction. © The Authors, published by EDP Sciences, 2018.

SciVal Topic Prominence

Topic: Artificial neural network | Wavelet | Flood forecasting

Prominence percentile: 99.217

Author keywords

FFNN Prediction Rainfall RMSE

Indexed keywords

Engineering controlled terms: Autocorrelation Backpropagation algorithms Information systems Information use Mean square error Rain

Engineering uncontrolled terms: Autocorrelation functions Complex architectures FFNN Gradient-based optimization method Least mean square error Partial autocorrelation function RMSE Time series prediction

Engineering main heading: Forecasting

Funding details

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

Gradient based optimization in cascade forward neural network model for seasonal data

Warsito, B. , Santoso, R. , Yasin, H.
(2018) Journal of Theoretical and Applied Information Technology

Heavy rainfall forecasting model using artificial neural network for flood prone area

Sulaiman, J. , Wahab, S.H.
(2017) Lecture Notes in Electrical Engineering

Application of generalized regression neural network and support vector regression for monthly rainfall forecasting in western Jilin Province, China

Lu, W. , Chu, H. , Zhang, Z.
(2015) Journal of Water Supply: Research and Technology - AQUA

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

Funding sponsor	Funding number	Acronym
	101-24/UN7.P4.3/PP/2018	

Funding text

The authors would like to thank the Ministry of Research, Technology and High Education Republic of Indonesia which has provided research grants of PDUPT Research Grant Program No. 101-24/UN7.P4.3/PP/2018 date 5 Pebruary 2018.

ISSN: 22671242
Source Type: Conference Proceeding
Original language: English

DOI: 10.1051/e3sconf/20187305017
Document Type: Conference Paper
Volume Editors: Warsito B.,Hadiyanto,Maryono
Publisher: EDP Sciences

References (9)

View in search results format >

All | Export | Print | E-mail | Save to PDF | Create bibliography

1 Asadi, S., Shahrabi, J., Abbaszadeh, P., Tabanmehr, S.
A new hybrid artificial neural networks for rainfall-runoff process modeling

(2013) *Neurocomputing*, 121, pp. 470-480. Cited 52 times.
doi: 10.1016/j.neucom.2013.05.023

View at Publisher

2 Benmahdjoub, K., Ameur, Z., Boulifa, M.
Forecasting of rainfall using Time Delay Neural Network in Tizi-Ouzou (Algeria)
(Open Access)

(2013) *Energy Procedia*, 36, pp. 1138-1146. Cited 9 times.
http://www.sciencedirect.com/science/journal/18766102
doi: 10.1016/j.egypro.2013.07.129

View at Publisher

3 Cigizoglu, H.K., Askin, P., Ozturk, A., Gurbuz, A., Ayhan, O., Yildiz, M., Ucar, I.
Artificial neural network models in rainfall-runoff modelling of Turkish rivers
(2008) *International Congress on River Basin Management*, pp. 560-571. Cited 6 times.

4 Kim, S., Seo, Y., Lee, C.-J.
Modeling of Rainfall by Combining Neural Computation and Wavelet Technique
(Open Access)

(2016) *Procedia Engineering*, 154, pp. 1231-1236. Cited 2 times.
http://www.sciencedirect.com/science/journal/18777058
doi: 10.1016/j.proeng.2016.07.442

View at Publisher

5 Lin, G.-F., Wu, M.-C.
A hybrid neural network model for typhoon-rainfall forecasting

(2009) *Journal of Hydrology*, 375 (3-4), pp. 450-458. Cited 63 times.
doi: 10.1016/j.jhydrol.2009.06.047

View at Publisher

6 Mekanik, F., Imteaz, M.A., Gato-Trinidad, S., Elmahdi, A.
Multiple regression and Artificial Neural Network for long-term rainfall forecasting using large scale climate modes

(2013) *Journal of Hydrology*, 503, pp. 11-21. Cited 85 times.
doi: 10.1016/j.jhydrol.2013.08.035

View at Publisher

7 Wang, Y.-M., Traore, S.
Time-lagged recurrent network for forecasting episodic event suspended sediment load in typhoon prone area

(2009) *International Journal of Physical Sciences*, 4 (9), pp. 519-528. Cited 20 times.
http://www.academicjournals.org/ijps/PDF/pdf2009/September/Wang%20and%20Traore.pdf

8 Yasin, H.
Prediction of weekly rainfall in semarang city use support vector regressions
(2014) *Prosiding Seminar Internasional the 4th ISNPINSA, Hotel Patra Jasa Semarang*

9 Yasin, H., Dan Prahutama, A.
Prediction of weekly rainfall in semarang city use support vector regression (svr) with quadratic loss function
(2015) *International Journal of Science and Engineering (IJSE)*, 9 (1).

Hasbi, Y.; Department of Statistics, Faculty of Science and Mathematics, Diponegoro University, Semarang, Indonesia; email:hasbiyasin17@gmail.com
© Copyright 2019 Elsevier B.V., All rights reserved.

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

Scopus

Source details

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

$$0.52 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017*}} = \frac{\text{905 Citations}}{\text{1,747 Documents}}$$

*CiteScore includes all available document types

View CiteScore methodology > | CiteScore FAQ >

CiteScoreTracker 2019

Last updated on *09 September, 2019*
Updated monthly

$$0.23 = \frac{\text{Citation Count 2019}}{\text{Documents 2016 - 2018}} = \frac{\text{1,256 Citations to date}}{\text{5,452 Documents to date}}$$

CiteScore rank

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

View CiteScore trends >

Add CiteScore to your site

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

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

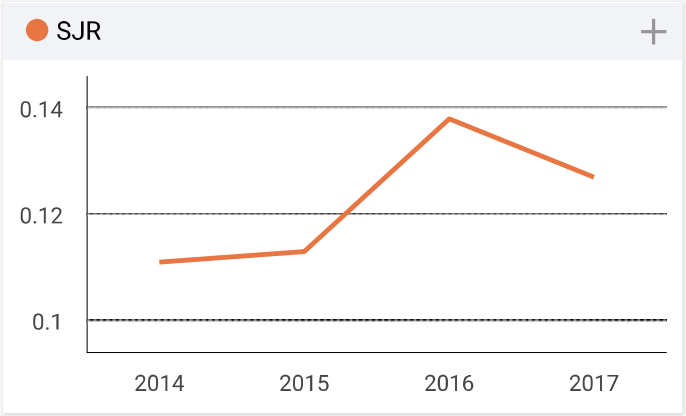
E3S Web of Conferences

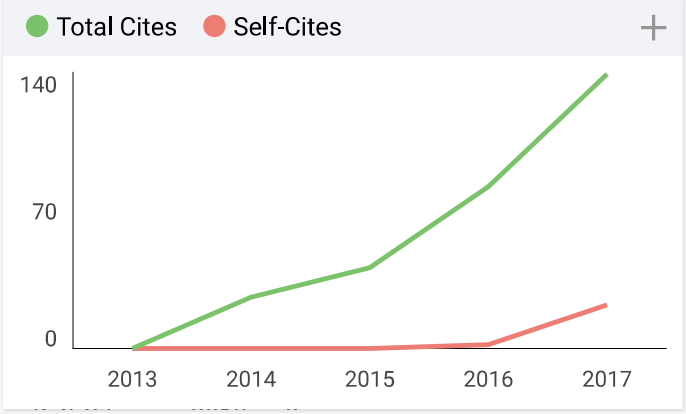
Country	France - SIR Ranking of France
Subject Area and Category	Earth and Planetary Sciences Earth and Planetary Sciences (miscellaneous) Energy Energy (miscellaneous) Environmental Science Environmental Science (miscellaneous)
Publisher	
Publication type	Conferences and Proceedings
ISSN	22671242
Coverage	2013-ongoing

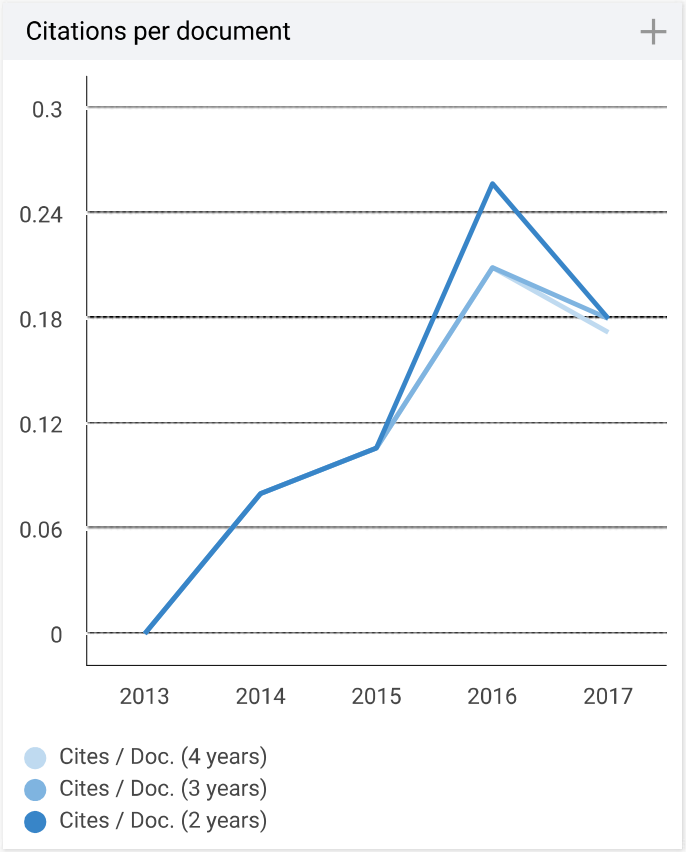
6

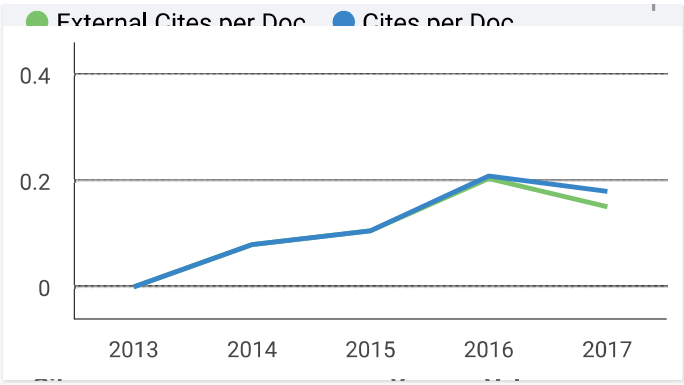
H Index

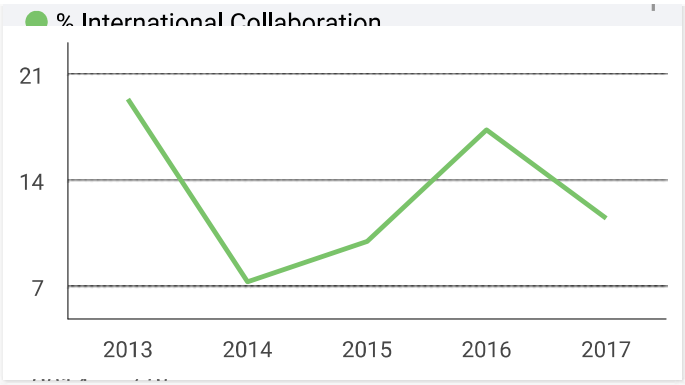
Join the conversation about this journal

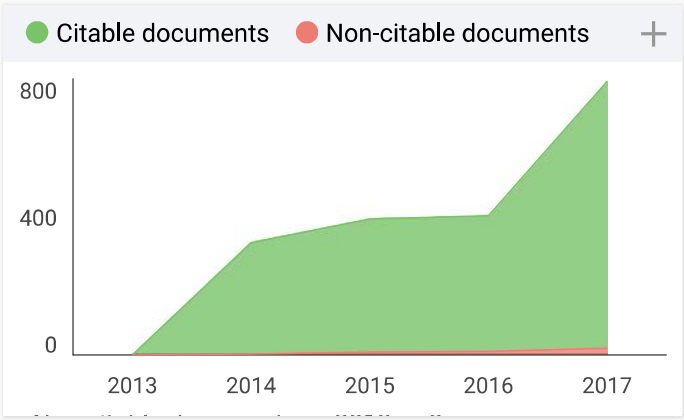


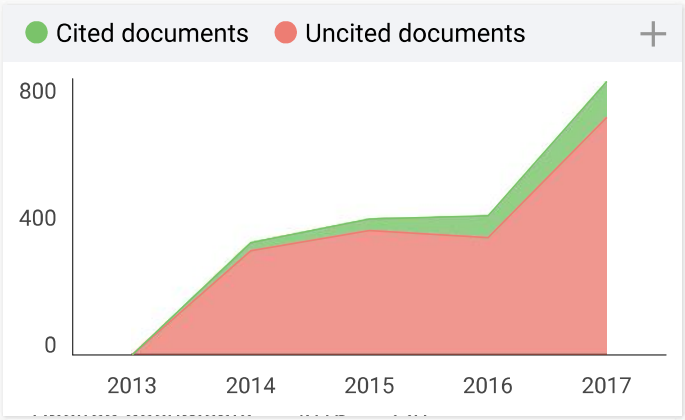












← Show this widget in your own website

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

```
<a href="https://www.scimag
```

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

E3S Web of Conferences

Proceedings

3rd INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT AND INFORMATION SYSTEM 2018 (ICENIS 2018)

ICENIS 2018
International Conference on Energy, Environment and Information System

Tuesday - Wednesday, August 14th - 15th, 2018

Theme:
"Strengthening Planning and Implementation on Energy, Environmental and Information System Toward Low Carbon Society"

Keynote Speakers

Prof. Dr. Takayuki Shimaoka
Kyushu University, Japan

Prof. Dr. Nasrudin
University of Malaya, Malaysia

Prof. Ho Ching Siong
Universiti Teknologi Malaysia, Malaysia

Dr. Junichi Fujino
IGES - Japan

Dr. Kanawut Inkaew
Rajamangala University of Technology Phra Nakhon, Thailand

Dr.-Ing. Sudarno
School of Postgraduate Studies Diponegoro University, Indonesia

A Call for Participant

After Successful in the previous event with 200 selected paper, we invite for 3rd ICENIS 2018 on August 14th - 15th, 2018 at Santika Premier Hotel Semarang, with the theme "Strengthening Planning and Implementation on Energy, Environmental and Information System Toward Low Carbon Society"

Topics of Conference

1. Energy
   - Energy Management and Policy
   - Energy Planning and Education
   - Energy Conservation and Efficiency
   - Energy Conversion Technology
   - Renewable Energy
   - Nonrenewable Energy / Fossil Energy
2. Environments
   - Environmental Conservation
   - Environmental Policy, Planning and Education
   - Environmental Technology
   - Environmental Health and Toxicology
   - Environmental Epidemiology
   - Pollution Control
   - Waste Management
   - Green Infrastructure and Resilience
3. Information System
   - Bussiness Intelligence
   - Supply Chain Information Systems
   - Industrial Information Systems
   - Decission Support Systems
   - Smart Information Systems
   - Health, Safety and Environment Information Systems
4. Societal Change, Culture and Low Carbon Development
   - Infrastructure Development and Low Carbon Society
   - Economic Perspective in Low Carbon Society
   - Government and International Relation
   - Public Policy
   - Labour and Formal-Informal Worker
   - Helath and Gender
   - Media
   - Culture and Development

Publication

All accepted papers will published in **Scopus – indexed** E3S Web of Conferences Series.

Important Dates

Abstract Submission	:	before July 05th, 2018
Full Paper Submission	:	before July 15th, 2018
Early Registration Payment	:	before July 10th, 2018

Registration Fee

Before July 10th, 2018	
Indonesian Presenter	IDR 2.500.000,00/paper
International Presenter	USD 250/paper
Student Presenter	IDR 2.000.000,00/paper
Indonesian Participant	IDR 1.000.000,00
International Participant	USD 150

After July 10th, 2018	
Indonesian Presenter	IDR 2.750.000,00/paper
International Presenter	USD 300/paper
Student Presenter	IDR 2.500.000,00/paper
Indonesian Participant	IDR 1.250.000,00
International Participant	USD 200

Venue / Place

Santika Premiere Hotel – Semarang
Pandanaran Street, Number 116-120, Semarang, Central Java - Indonesia

Phone / Fax: +62 24 8413115 / +62 24 8413113

More Information

Conference Website:
www.icenis.org

e-mail:
icenis2018@live.undip.ac.id

Secretariat :
School of Postgraduate Studies Diponegoro University
Phone & Fax. : +62248449608

Contact Person:
Dr. Budi Warsito, S.Si., M.Si. : 0812 2691 363
Fauziyah Mastuti : +62248449608
Rahayu : 0878 3091 7461
Eko Pujiyanto : 0813 9085 6514

Organizing Committee :
SCHOOL OF POSTGRADUATE STUDIES DIPONEGORO UNIVERSITY
Jl. Imam Bardjo No 3-5 , Campus UNDIP Pleburan, Semarang 50241
www.pasca.undip.ac.id

UNDIP DIPONEGORO UNIVERSITY the excellent research university
SCHOOL OF POSTGRADUATE STUDIES

Preface

This is the proceeding of the 3nd International Conference on Energy, Environmental and Information System **(ICENIS)** 2018. The theme of ICENIS 2018 is "Strengthening Planning and Implementation Energy, Environment, and Information System Toward Low Carbon Society. ICENIS 2018 discussing the sustainability of the natural system, i.e energy management and policy, energy conservation, environmental education and planning, environmental conservation, environmental technology, environmental health, pollution control, waste management, green infrastructure and resilience, system information of supply chain and decision support system. Moreover the ICENIS 2018 introducing discussion of social aspect in low carbon society such as economic perspective, government, public policy and international relation, formal informal worker, gender, media and culture development

ICENIS 2018 organized by school of Postgraduate Studies, Diponegoro University has been conducted 14-15th august 2018. The conference has successfully performing forum to transferring and discussing research result among the researcher, students, government, private sector or industries. More than 390 participants and presenters from several countries such as Indonesia, Malaysia, Germany, Sudan, Australia, Japan, Libya have attended the conference to share their significant contribution in research related to energy, environment and information system. This proceeding contains 334 selected paper from the conference.

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

Guest Editors

Prof. Hadiyanto

Dr. Eng. Maryono

Dr. Budi Warsito

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
French National Institute for Agricultural Research (INRA), Aix-en-Provence, France
website

eISSN: 2267-1242
Copyright / Published by: EDP Sciences

Free Access to the whole issue

E3S Web of Conferences

Volume 73 (2018)

The 3rd International Conference on Energy, Environmental and Information System (ICENIS 2018)

Semarang, Indonesia, August 14-15, 2018

Hadiyanto, Maryono and Budi Warsito (Eds.)

Export the citation of the selected articles Export

Select all

Open Access

Statement of Peer review

Published online: 21 December 2018

PDF (46.1 KB)

Open Access

About the conference

Published online: 21 December 2018

PDF (289 KB)

- Energy Planning, Policy, and Management
- Environmental Education, Planning and Policy
- Environmental Management and Spatial Planning
- Environmental Conservation
- Environmental Technology and Pollution Control
- Environmental Health, Toxicology and Epidemiology
- Technology, Culture and Society in Waste Management
- Environment, Infrastructure Development, Culture and Society
- Green Public Policy, Politic, and Equity Development
- Green Economic and Development
- Gender, Formal-Informal Worker and Environmental Behavior
- Health, Safety and Environment Information Systems
- System Information and Decision Support System
- Information Pattern Development, Language, and Media

+ Energy Planning, Policy, and Management

+ Environmental Education, Planning and Policy

+ Environmental Management and Spatial Planning

+ Environmental Conservation

- Environmental Technology and Pollution Control

Open Access

Potential Utilization of Sewage Sludge from Water Treatment Plant as Brick Material 05001

Budi Prasetyo Samadikun, Siti Rukayah, Ika Bagus Priyambada, Sry T. Romaito Lumbantobing and Mochamad Arief Budihardjo

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305001

PDF (1.861 MB) | References | NASA ADS Abstract Service

Open Access

Circulation of Leachate Organic Solid Waste in Fixed Bed Reactor with Pressure Swing Absorption Technology 05002

Hartati Etih, Nurul Amaliyah Ikrima and Salafudin

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305002

PDF (1.252 MB) | References | NASA ADS Abstract Service

Open Access

The Extent of Damage Identification Method Using Extrusion Machine Overall Equipment Effectiveness (OEE) in PT. XYZ 05003

Ariani Farida, Syahputri Khalida and Siregar Khawarita

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305003

PDF (1.164 MB) | References | NASA ADS Abstract Service

Open Access

Effect of Moisture Content on Power Generation in Dual Graphene Anode Compost Solid Phase Microbial Fuel Cells (DGACSMFCs) 05004

Samudro Ganjar, Syafrudin Syafrudin, Wisnu Wardhana Irawan, Cagayana Cagayana, Ariyanti Meishinta and Lucitawati Erika

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305004

PDF (1.372 MB) | References | NASA ADS Abstract Service

Open Access

Eco-Fer (Ecotru Fixed Bed Reactor) : Application of Ecotru on Fixed Bed Reactor for Eliminating Ammonium in Waste Water 05005

Syakira Hana, Novelendah Lidiya, Pertiwi Kartika, Syahidah Rusyda, Purwono and Istirokhatun Titik

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305005

PDF (1.207 MB) | References | NASA ADS Abstract Service

Open Access

Potential of Natural Flocculant in Coagulation-Flocculation Wastewater Treatment Process 05006

Zaman Badrus

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305006

PDF (1.293 MB) | References | NASA ADS Abstract Service

Open Access

Effectiveness of compressor machine by using overall equipment effectiveness (OEE) method 05007

Siregar Khawarita, Syahputri Khalida, Rahmi M Sari Anizar, Rizkya Indah and M Tambunan Mangara

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305007

PDF (1.823 MB) | References | NASA ADS Abstract Service

Open Access

Determine Environment Impacts in Upstream Processes of Oil and Gas Industries

05008

Sapto Sari Mardhika

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305008

PDF (4.343 MB) | References | NASA ADS Abstract Service

Open Access

Effect of COD/SO_4^{2-} Supply Ratio Variations of Sulfate-Reducing Bacteria of Sulphood Raise in Acid Mine Drainage

05009

Hardyanti Nurandani, Utomo Sudarno, Oktaviana Angelica, Serafina Katrin and Junaidi Junaidi

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305009

PDF (1.280 MB) | References | NASA ADS Abstract Service

Open Access

A Review of Pyrolisis of *Eceng Gondok* (Water hyacinth) for Liquid Smoke

05010

Rita Dwi Ratnani and Widiyanto

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305010

PDF (1.986 MB) | References | NASA ADS Abstract Service

Open Access

Cr(VI) and Dye Biosorption in Batik Wastewater using Biosorbent in The Tea Bag

05011

Lestari Sri, Sudarmadji, Djalal Tandjung Shilahuddin and Juari Santosa Sri

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305011

PDF (1.312 MB) | References | NASA ADS Abstract Service

Open Access

Design of Groundwater Filtration Technology to Meet the Clean Water Needs of Rural Communities Using Quality Function Deployment

05012

Sriyanto Sriyanto, Arvianto Ary and Ihsan Hidayat Muhammad

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305012

PDF (1.407 MB) | References | NASA ADS Abstract Service

Open Access

Decomposition of food waste using bulking agent and bio-drying technology 05013

Oktiawan Wiharyanto, Hadiwidodo Mochtar, Bagus Priyambada Ika and Purwono Purwono

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305013

PDF (1.290 MB) | References | NASA ADS Abstract Service

Open Access

Relationship modelling between moisture content of flour and variables of two-cycle drying process of cassava flourusing pneumatic dryer 05014

Witdarko Yus, Betaubun Philipus and Jayadi

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305014

PDF (1.267 MB) | References | NASA ADS Abstract Service

Open Access

The effect of dryer air temperature on fineness modulus and moisture content of cassava flour in pneumatic dryer process 05015

Witdarko Yus, Mekiuw Yosehi, Sri Suryaningsih Ni Luh and Wahida

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305015

PDF (1.046 MB) | References | NASA ADS Abstract Service

Open Access

Reducing Stormwater Runoff from Parking Lot with Permeable Pavement 05016

Suripin Suripin, Sachro Sri Sangkawati, Samto Atmojo Pranoto, Edhisono Sutarto, Budieny Hary and Kurniani Dwi

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305016

PDF (1.525 MB) | References | NASA ADS Abstract Service

Open Access

Feed Forward Neural Network Modeling for Rainfall Prediction 05017

Yasin Hasbi, Warsito Budi and Santoso Rukun

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305017

PDF (1.427 MB) | References | NASA ADS Abstract Service

Open Access

Preliminary Study of Contamination Wastewater on Environment in Slaughterhouse of Merauke City 05018

Nurcholis and Dirwan Muchlis

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305018
PDF (1.197 MB) | References | NASA ADS Abstract Service

Open Access

Bio-drying Technology of Solid Waste to Reduce Greenhouse Gas 05019

Badrus Zaman, Wiharyanto Oktiawan, Mochtar Hadiwidodo, Endro Sutrisno and Purwono

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305019

PDF (5.048 MB) | References | NASA ADS Abstract Service

Open Access

A Distribution of pH and Temperatures in Palopo Coastal Water, South Sulawesi 05020

Hasrianti Hasrianti, Nur Bambang Azis and Maryono Maryono

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305020

PDF (1.454 MB) | References | NASA ADS Abstract Service

Open Access

Effect of Organic Particulate Matter on Vegetable Crops and their Control Potentials 05021

Munfarida Ida, Sofyan Asep and Rezagama Arya

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305021

PDF (1.281 MB) | References | NASA ADS Abstract Service

Open Access

Efficiency Analysis of CBA Full-scale Hospital Waste Water Treatments in Indonesia Using Combined Biological AOP System: Investigation on Operating Conditions, Treatment Efficiency and Energy 05022

Pranoto Hadi, Rame Rame, Wuryadi EvFajar, Sofie Mohamad, Sulistyo Utomo Ary and Haryo Raharjo Budi

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305022

PDF (1.369 MB) | References | NASA ADS Abstract Service

Open Access

Phytoremediation of Lead Contaminated Soils using *Cordyline fruicosa (L)* 05023

herlina Lina, widianarko Budi and rya sunoko Henna

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305023

PDF (1.204 MB) | References | NASA ADS Abstract Service

Open Access

Dispersion Model of Total Suspended Particulate from Tanjung Jati B Jepara Coal-Fired Power Plant's Chimneys 05024

S. Oetari Poerna, P. Hadi Sudharto and S. Huboyo Haryono

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305024

PDF (4.780 MB) | References | NASA ADS Abstract Service

Open Access

Performance of AVR microcontroller-SMS gateway system for detecting SO_2 and NO_2 05025

Sudarsono, Andang Novianta Muhammad and Purnawan

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305025

PDF (2.932 MB) | References | NASA ADS Abstract Service

Open Access

Web Based Information System of Carbon Monoxide Pollution 05026

Wibowo Harry Suglharto, Aditya Akbar Riadi and Muhammad Imam Ghozali

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305026

PDF (1.804 MB) | References | NASA ADS Abstract Service

Open Access

Root Uptake and Distribution of Radionuclides ^{134}Cs and ^{60}Co in Sunflower Plants *(Helianthus annuus. L)* 05027

Chalid Afif Alfajrin Achmad and Hadiyanto

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305027

PDF (1.340 MB) | References | NASA ADS Abstract Service

Open Access

The Design Of Grain Drying Oven Using Residual Exhaust Gas From Diesel Engine With Heat Transfer Analysis 05028

Sahupala Peter, Perenden Daniel and Wely Wullur Christian

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305028

PDF (5.402 MB) | References | NASA ADS Abstract Service

Open Access

Static and Dynamic Analysis of Vibro Fluidized Bed Dryer using Finite Element Method 05029

Yohana Eflita, Haryanto Ismoyo, Dwiputra Muhamad Adrian and Luqmanul H Yusuf

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305029

PDF (2.113 MB) | References | NASA ADS Abstract Service

Open Access

Characterization Of Coal Acid Water In Void Pools Of Coal Mining In South Kalimantan 05030

Kiswanto, Heru Susanto and Sudarno

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305030

PDF (1.587 MB) | References | NASA ADS Abstract Service

Open Access

Life Cycle Assessment of Food Processing Systems in Toba Samosir Regency 05031

Asido Situmorang and Yosef Manik

Published online: 21 December 2018

DOI: https://doi.org/10.1051/e3sconf/20187305031

PDF (1.954 MB) | References | NASA ADS Abstract Service

+ Environmental Health, Toxicology and Epidemiology

+ Technology, Culture and Society in Waste Management

+ Environment, Infrastructure Development, Culture and Society

+ Green Public Policy, Politic, and Equity Development

+ Green Economic and Development

+ Gender, Formal-Informal Worker and Environmental Behavior

+ Health, Safety and Environment Information Systems

+ System Information and Decision Support System

+ Information Pattern Development, Language, and Media

E3S Web of Conferences
eISSN: 2267-1242
Copyright / Published by: EDP Sciences

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

CERTIFICATE

Number : 4197/UN7.5.12/TU/2018

This is to certify that

Hasbi Yasin

Has participated as

Presenter

in "The 3rd International Conference on Energy, Environment and Information System (ICENIS) 2018"

Held by School of Postgraduate Studies, Diponegoro University

Semarang, August 14th - 15th, 2018

Dean,

Prof. Dr. Ir. Purwanto, DEA
NIP 196112281986031004

Chair of Organizing Committee,

Dr.Eng. Maryono, S.T., M.T.
NIP 197508112000121001