

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

- Judul karya ilmiah (paper) : Land Resource Availability and Climate Change Disasters in The Rural Coastal of Central Java-Indonesia
- Jumlah Penulis : 4 orang
- Status Pengusul : **I Rudiarto**, W Handayani, H B Wijaya, T D Insani
- Identitas prosiding :
- a. Judul Prosiding : IOP Conference Series:Earth and Environmental Science
 - b. ISBN/ISSN : 1755-1315
 - c. Tahun Terbit/tempat pelaksanaan : 2018
 - d. Penerbit/organiser : IOP Publishing
 - e. Alamat repository PT/web : <http://iopscience.iop.org/article/10.1088/1755-1315/202/1/012029>
 - f. Terindeks di (jika ada) : SJR 0,175 (2019) dan SNIP 0,514 (2019)
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| d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%) | 9 | | 8,0 |
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Catatan Penilaian paper oleh *Reviewer*:

- a. Unsur isi paper cukup dan sudah merujuk kepada petunjuk penulisan paper dari IOP Science dan ada *acknowledgement*. Judul dan isi paper sudah sesuai yang membahas tentang perubahan sumber daya lahan.
- b. Pembahasan cukup mendalam tentang perubahan guna lahan dan kaitannya dengan tingkat kerentanan. Artikel sesuai dengan bidang ilmu penulis terutama dalam konteks perencanaan wilayah pesisir pedesaan. Pembahasan hasil didukung oleh 6 sumber pustaka (37,5%) dari total 16 pustaka yang berupa artikel jurnal.
- c. Paper didukung oleh 16 pustaka dimana 15 diantaranya merupakan pustaka terbitan 10 tahun terakhir. Alat analisis cukup mutakhir dengan menggunakan analisis overlay dalam GIS dari data sekunder.

d. Prosiding terindeks *Scopus* (IOP Series) dengan SJR 0,175 tersedia *online* dan *open access*. Prosiding dilengkapi dengan ISBN, DOI, dan terkategori prosiding internasional.

Semarang, 20-02-2020

Reviewer 1,



Prof. Dr.rer.nat. Imam Buchori, ST
NIP. 197011231995121001
Departemen PWK, FT. Undip

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| b. Ruang lingkup dan kedalaman pembahasan (30%) | 9 | | 7,0 |
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| d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%) | 9 | | 7,0 |
| Total = (100%) | 30 | | 22,0 |

Nilai Pengusul :

Catatan Penilaian paper oleh *Reviewer*:

- a. Isi tulisan cukup lengkap dan merujuk pada *author guidelines* yang disediakan secara online. Benang merah judul dan IMRaD pada pembahasan perubahan sumber daya lahan.
- b. Substansi sesuai ruang lingkup seminar terkait climate change dan sesuai dengan bidang ilmu penulis terutama untuk perencanaan kawasan pesisir. Pembahasan hasil dalam paper menggunakan sekitar 37,5% pustaka yang merupakan artikel jurnal.
- c. Artikel memiliki nilai kebaruan cukup dimana 90% diantaranya merupakan terbitan ≤ 10 tahun terakhir dari total 16 sumber pustaka yang digunakan. Metode terlalu singkat dan bisa dijabarkan lebih rinci lagi mengenai interpretasi citra satelit supaya dapat diketahui bagaimana klasifikasi guna lahan dilakukan.

d. Prosiding diterbitkan oleh IOP Publishing dan terindeks scopus dengan SJR 0,17 dan ber-ISBN. Prosiding internasional dan tersedia *online* dengan system *open access* yang dilengkapi dengan tautan DOI.

Semarang, 02-03-2020

Reviewer 2,



Prof. Dr. Ir. Nany Yulastuti, MSP
NIP. 195407171982032001
Departemen PWK, FT. Undip

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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
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| d.Kelengkapan unsur dan kualitas terbitan/prosiding (30%) | 8,0 | 7,0 | 7,5 |
| Total = (100%) | 25,5 | 22,0 | 23,75 |

Semarang, 09-03-2020

Reviewer 1,



Prof. Dr. rer. nat. Imam Buchori, ST
NIP. 197011231995121001
Departemen PWK FT.Undip

Reviewer 2,



Prof. Dr. Ir. Nany Yuliasuti, MSP
NIP. 195407171982032001
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| Nilai Pengusul : | | | |

Semarang, 09-03-2020

Reviewer 1,



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NIP. 197011231995121001
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Reviewer 2,



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Volume 202, Issue 1, 27 November 2018, Article number 012029
2017 CITIES International Conference: Multi Perspectives on Peri-Urban Dynamics Towards Sustainable Development;
Surabaya; Indonesia; 18 October 2017 through ; Code 142713

Land resource availability and climate change disasters in the rural coastal of Central Java - Indonesia

(Conference Paper) (Open Access)
Rudiarto, I.^{a,b}, Handayani, W.^{a,b}, Wijaya, H.B.^{a,b}, Insani, T.D.^{a,b}

^aDepartment of Urban and Regional Planning, Indonesia
^bUniversitas Diponegoro, Semarang, Indonesia

Abstract

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This paper describes the land resource availability and climate change disaster events in three rural coastal area of the Central Java Province, Indonesia, i.e.; Wonokerto sub district - Pemalang Regency, Sayung sub district - Demak Regency, and Lasem sub district - Rembang Regency. Land resource availability was assessed into land use cover change from the Landsat Image from three periods (1990, 2000, and 2015). Those images data then were combined with the climate change disasters that mostly occurs in the coastal area as the impact of the sea level rise. The results show that most of the land use in the coastal area was converted to fishpond from agricultural land and it happens periodically since 1990 as the disasters frequently found which also transform the occupation of community living in the area. From the assessment, it is also shown that the increasing of water body in specific period has a direct impact to the decreasing of rice field. This indicated that tidal flood as an impact of climate change has contributed in changing the availability of land resource in the study area. © Published under licence by IOP Publishing Ltd.

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CITIES 2017 International Conference

PREFACE

CITIES conference is an annual conference event held by the Departement of Urban and Regional Planning. CITIES conference has a scale from national to international conference. CITIES conference had been held 7 (seven) times nationally and 3 (three) times Internationally in 2013, 2015 and 2017. The purpose of this conference is to provide publications of all of the science and technology result based on research and planning practices. The past themes of the CITIES serial are:

- Innovations In Spatial Planning Practices for Development and Decentralization (2005);
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- Resilient Cities: Beyond mitigation, preparedness, response, dan recovery (2013);
- Eco City, Utopia or Reality (2014);
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This **2017** CITIES INTERNATIONAL CONFERENCE is featuring topic in: ***Multi Persepectives on Peri-Urban Dynamics Towards Sustainable Developments***. Focusing on the urban and peri-urban connections, issues, challenges and dynamics development of peri urban, this conference aim to provide the insights in many aspects of the developments towards the future which not only considering urban area but also focusing in the peri-urban.

Some results that can be concluded in this proceedings are: 1). Better predictions on the urban and sub urban development is equal with better planning, there are many new modelling approaches that presented in this conferences from land use, transportation to smart applications, 2). The emerging development of peri urban often facing the infrastructure and land use issues and 3). The urban that recently need to be revitalized not only on the sense of economic and land use but also gaining social and humanistic approaches to be creative space and igniting the place attachment in the city.



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Table of contents

Volume 202

2018

◀ Previous issue Next issue ▶

**CITIES 2017: Multi Perspectives on Peri-Urban Dynamics Towards Sustainable Development 18
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Preface

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P A Widyanarko

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the use of bamboo planting to prevent the flood study case: Kemuning river, Madura

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Land-use analysis of eco fishery tourism using a low-cost drone, the case of Lumpur
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Poteran Island

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012017

Land use change simulation based on land price spatial model in Tembelang, Indonesia

C Susetyo and M N E Sasono

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- OPEN ACCESS** 012018
Spatial pattern analysis using spatial metrics: a case study in Surabaya, Indonesia
F Firmansyah, A Pamungkas and K D Larasati
[+](#) [View abstract](#) [View article](#) [PDF](#)
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Commuters' travel behaviour and willingness to use park and ride in Tangerang city
K D M E Handayeni and B S P Ariyani
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012020
LanduseSim Algorithm: Land use change modelling by means of Cellular Automata and Geographic Information System
N A Pratomoatmojo
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
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An application of Multinomial Logit Model (MNL) on tourist destination choices
S Nurlaela
[+](#) [View abstract](#) [View article](#) [PDF](#)
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Modelling toll traffic pattern: the Jagorawi toll case study
Yosritzal, S Nurlaela, M Rizki and H M Taki
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012023
LanduseSim Methods: Land use class hierarchy for simulations of multiple land use growth
N A Pratomoatmojo
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012024
Time and cost analysis of jacket structure load out using skidding
Silvianita, R D Pradana, D M Chamelia and W L Dhanistha
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012025
Peri-urban farmland owner in the growing municipality, case study Kediri Municipality
A R T Hidayat
[+](#) [View abstract](#) [View article](#) [PDF](#)

-
- OPEN ACCESS** 012026
Exploring farming strategies in a metropolitan area: case study of inland aquaculture in Bogor Regency
A Syaifudin and G J Carsjens
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012027
Transformation of metropolitan suburban area (*a study on new town development in Moncongloe-Pattalassang Metropolitan Maminasata*)
B Surya, H Saleh and Ariyanto
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012028
Providing simple healthy latrine based on community empowerment in Gebang Putih Village and Kejawan Putih Tambak Village
E S Soedjono, J R Budiani, B D Marsono, A Purnomo, I Ulfin and K P Tucunan
[+](#) [View abstract](#) [View article](#) [PDF](#)
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Land resource availability and climate change disasters in the rural coastal of Central Java – Indonesia
I Rudiarto, W Handayani, H B Wijaya and T D Insani
[+](#) [View abstract](#) [View article](#) [PDF](#)
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- OPEN ACCESS** 012030
The benefits of an agrarian reform model in Indonesia
M Sadyohutomo
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012031
Peri-urban interaction and connectivity to the development area of Indragiri Hulu Regency, Riau Province
P Astuti, I Nugraha, A Afriadi, R B Leksono and Mardianto
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012032
Analysis of Marketability, Sustainability, Participatory and Disaster Mitigation (MSP+DM) for the development of rural Community-Based Tourism (CBT) destinations Case study: Depok beach, Bantul, Yogyakarta
S Priatmoko
[+](#) [View abstract](#) [View article](#) [PDF](#)

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- OPEN ACCESS** 012033
Water supply provision characteristics in peri-urban area
S Maryati and A N S Humaira
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012034
An integrated and sustainable infrastructure development to improve the quality of rural area in peri-urban
T Madiasworo
[+](#) [View abstract](#) [View article](#) [PDF](#)
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- OPEN ACCESS** 012035
Towards an independent city: The role of Ungaran City as a sub-center of Semarang City
T R Setiyowati, W Handayani, M Damayanti and I Rudiarto
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012036
The impact of disaster risk reduction information on the change of spatial pattern of Padang City
T A Rachmawati, H Apriyenson and A W Hasyim
[+](#) [View abstract](#) [View article](#) [PDF](#)
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- OPEN ACCESS** 012037
The concept, form and mechanism transfer of knowledge in peri-urban areas in Indonesia
Wahyudi and P Nugroho
[+](#) [View abstract](#) [View article](#) [PDF](#)
-
- OPEN ACCESS** 012038
Spatial analysis of educational facilities services pattern in Malang peripheral areas
D A Setyono and D D Cahyono
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