

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

- Judul karya ilmiah (artikel) : Theorizing Spatial Dynamics of Metropolitan Region: A Preliminary Study in Java and Madura, Indonesia
- Jumlah Penulis : 5 penulis
- Status Pengusul : **Imam Buchori**, Agung Sugiri, Maryono, Angg्रेnggani P, Istiqomah TD Pamungkas
- Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal Sustainable Cities & Society
b. Nomor ISSN : 22106707
c. Vol, no, bulan, tahun : Vol.35 November 2017
d. Penerbit : ELSEVIER
e. DOI artikel (jika ada): <http://dx.doi.org/10.1016/j.scs.2017.08.022>
f. Alamat web jurnal : <https://www.sciencedirect.com/science/article/pii/S2210670717305097?via%3Dihub>
g. Terindeks di Scimagojr/Thomson Reuter ISI knowledge atau di **Scopus; Q1 SJR 2019:1.36**
- Kategori Publikasi Jurnal Ilmiah : Jurnal Ilmiah Internasional /internasional bereputasi
(beri ✓ pada kategori yang tepat) Jurnal Ilmiah Nasional Terakreditasi
 Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

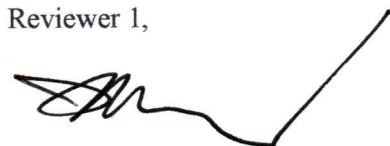
Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional/ internasional bereputasi 40	Nasional Terakreditasi <input type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi artikel (10%)	4			4
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			11.5
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			12
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			12
Total = (100%)	40			39.5
Nilai Pengusul: 60% x 39.5 =				23.7

Catatan Penilaian artikel oleh Reviewer:

- Tulisan lengkap dan sesuai dengan bidang ilmu penulis.
- Isi artikel terkait dengan *Spatial Dynamics Metropolitan Region* telah dibahas dengan interpretasi yang baik.
- Artikel memiliki nilai kebaruan baik. Ada 65 referensi, 83% terbitan ≤ 10 tahun terakhir. Kemutakhiran informasi baik. Turnitin Similarity Index 11%.
- Journal Sustainable Cities and Society terindex Scopus Q1 (2017) dan SJR 1,047 (2017). Penerbit Elsevier.

Semarang, 20 Juli 2020

Reviewer 1,



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

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

Judul karya ilmiah (artikel) : Theorizing Spatial Dynamics of Metropolitan Region: A Preliminary Study in Java and Madura, Indonesia

Jumlah Penulis : 5 penulis

Status Pengusul : **Imam Buchori**, Agung Sugiri, Maryono, Anggrenggani P, Istiqomah TD Pamungkas

Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal Sustainable Cities & Society
 b. Nomor ISSN : 22106707
 c. Vol, no, bulan, tahun : Vol.35 November 2017
 d. Penerbit : ELSEVIER
 e. DOI artikel (jika ada): <http://dx.doi.org/10.1016/j.scs.2017.08.022>
 f. Alamat web jurnal : <https://www.sciencedirect.com/science/article/pii/S2210670717305097?via%3Dihub>
 g. Terindeks di Scimagojr/Thomson Reuter ISI knowledge atau di Scopus; Q1 SJR 2019:1.36

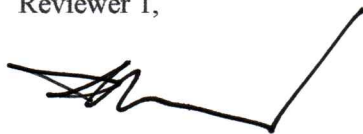
Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat) : Jurnal Ilmiah Internasional /internasional bereputasi
 Jurnal Ilmiah Nasional Terakreditasi
 Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Reviewer		
	Reviewer I	Reviewer II	Nilai Rata-rata
a. Kelengkapan unsur isi artikel (10%)	4,0	4,0	4,00
b. Ruang lingkup dan kedalaman pembahasan (30%)	11,5	11,0	11,25
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12,0	12,0	12,00
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12,0	12,0	12,00
Total = (100%)	39,5	39,0	39,25

Semarang,

Reviewer 1,



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

Reviewer 2,



Prof. Dr.-Ing. Gagoek Hardiman
 NIP.195308191993031001
 Departemen Arsitektur FT. Undip

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

- Judul karya ilmiah (artikel) : Theorizing Spatial Dynamics of Metropolitan Region: A Preliminary Study in Java and Madura, Indonesia
- Jumlah Penulis : 5 penulis
- Status Pengusul : **Imam Buchori**, Agung Sugiri, Maryono, Angg्रेnggani P, Istiqomah TD Pamungkas
- Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal Sustainable Cities & Society
b. Nomor ISSN : 22106707
c. Vol, no, bulan, tahun : Vol.35 November 2017
d. Penerbit : ELSEVIER
e. DOI artikel (jika ada): <http://dx.doi.org/10.1016/j.scs.2017.08.022>
f. Alamat web jurnal : <https://www.sciencedirect.com/science/article/pii/S2210670717305097?via%3Dihub>
g. Terindeks di Scimagojr/Thomson Reuter ISI knowledge atau di **Scopus; Q1 SJR 2019:1.36**
- Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat) : Jurnal Ilmiah Internasional /internasional bereputasi
 Jurnal Ilmiah Nasional Terakreditasi
 Jurnal Ilmiah Nasional /Nasional di DOAJ,CABI, COPERNICUS

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional/ internasional bereputasi <input type="text" value="40"/>	Nasional Terakreditasi <input type="text"/>	Nasional <input type="text"/>	
a. Kelengkapan unsur isi artikel (10%)	4			4,0
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			11,0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			12,0
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			12,0
Total = (100%)	40			39,0
Nilai Pengusul:				

Catatan Penilaian artikel oleh Reviewer:

- Unsur isi artikel sangat lengkap.
- Analisis didukung dengan lebih dari 50 pustaka yang Sebagian besar bersumber dari Pustaka primer (artikel jurnal) terkini.
- Data sangat lengkap dan mutakhir, didukung dengan analisis berbasis Geographic Information System (GIS).
- Kualitas terbitan jurnal sangat baik. Jurnal terindeks SCOPUS, Q1, SJR 2017 (ketika terbit) 1,04 dan 2019 1,36, Penerbit Elsevier.

Semarang, 12 Juli 2020

Reviewer 2,

Prof. Dr.-Ing. Gagoek Hardiman
NIP.195308191993031001
Departemen Arsitektur FT. Undip

Document details

< Back to results | < Previous 20 of 30 Next >
[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More...](#)
[View at Publisher](#)

Sustainable Cities and Society
Volume 35, November 2017, Pages 468-482

Theorizing spatial dynamics of metropolitan regions: A preliminary study in Java and Madura Islands, Indonesia (Article)

Buchori, I.* , **Sugiri, A.*** , **Maryono, M.*** , **Pramitasari, A.¹** , **Pamungkas, I.T.D.¹**

*Department of Urban and Regional Planning, Diponegoro University, Indonesia

¹Center of Geomatics' Applications for Sustainable Development, Central Laboratory and Services, Diponegoro University, Indonesia

Abstract [View references \(65\)](#)

This study is aimed at exploring the spatial dynamics of metropolitan regions in Java and Madura Islands, which are commonly known as the most developed areas in Indonesia. The analyses have used GIS-based and tabular data methods applying spreadsheet operations detailed at sub-district (kecamatan) level. An urban sub-district is defined as that with a built-up ratio of more than 22.5% and a population density of more than 1250 people/km². Delineation of the built-up areas has used an unsupervised classification of 311-bands of Landsat TM₁ satellite images for the years of 1990 and 2011. The potential sprawl is based on the comparison between the rate of population growth and that of built-up areas. The results show that generally, built-up areas significantly grow on the fringe zones of Java big cities. In metropolitan regions, an indication of non-compact growth occurs, albeit agricultural activities are still dominant there. Sprawl is found to be more in rural and outer than suburban and inner peripheral areas. In this regard, local governments should pay more attention to this issue because it can endanger the food security and environmental sustainability. © 2017 Elsevier Ltd.

SciVal Topic Prominence

Topic: [Sleuths](#) | [Cellular Automaton Model](#) | [Land Use Change](#)

Metrics [View all metrics >](#)

11 **Citations in Scopus**

7th percentile

1.23

Field-Weighted Citation Impact



PlumX Metrics

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

Cited by 11 documents

[Urban Expansion and Welfare Change in a Medium-sized Suburban City: Sukarta, Indonesia](#)

Buchori, I., Pangji, P., Pramitasari, A. (2020) *Environment and Urbanization ASIA*

[Land use change, spatial interaction, and sustainable development in the metropolitan urban area, south Sulawesi province, Indonesia](#)

Surya, B., Ahmad, D.N.A., Sakti, H.H. (2020) *Land*

Source details

[Feedback >](#) [Compare sources >](#)

Sustainable Cities and Society

Scopus coverage years: from 2011 to Present

Publisher: Elsevier

ISSN: 2210-8707

Subject area: [Social Sciences: Geography, Planning and Development](#) [Engineering: Civil and Structural Engineering](#) [Social Sciences: Transportation](#)

[Energy: Renewable Energy, Sustainability and the Environment](#)

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

CiteScore 2019
7.5

SJR 2019
1.356

SNIP 2019
1.987

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

i Improved CiteScore methodology ✕

CiteScore 2019 counts the citations received in 2016-2019 to articles, reviews, conference papers, book chapters and data papers published in 2016-2019, and divides this by the number of publications published in 2016-2019.

[Learn more >](#)

CiteScore 2019 


$$7.5 = \frac{10,921 \text{ Citations } 2016 - 2019}{1,455 \text{ Documents } 2016 - 2019}$$

Calculated on 06 May, 2020

CiteScoreTracker 2020 

$$8.0 = \frac{14,635 \text{ Citations to date}}{1,831 \text{ Documents to date}}$$

Last updated on 07 July 2020 - Updated monthly

CiteScore rank 2019 

Sustainable Cities and Society

Country: [Netherlands](#) -  [SJR Ranking of Netherlands](#)

Subject Area and Category: [Energy](#)
[Renewable Energy, Sustainability and the Environment](#)

[Engineering](#)
[Civil and Structural Engineering](#)

[Social Sciences](#)
[Geography, Planning and Development](#)
[Transportation](#)

43

H Index

Publisher: [Elsevier BV](#)

Publication type: [Journals](#)

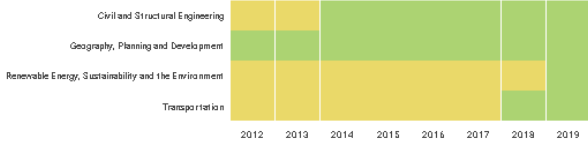
ISSN: [22106707](#)

Coverage: [2011-2020](#)

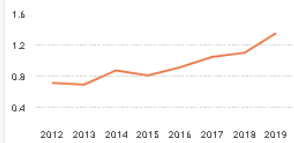
Scope Sustainable Cities and Society (SCS) is an international journal focusing on fundamental and applied research aimed at designing, understanding, and promoting environmentally sustainable and socially resilient cities. We encourage submission of cross-cutting, multi-disciplinary research in the areas of: 1. Smart cities and resilient environments; 2. Alternative/clean energy sources, energy distribution, distributed energy generation, and energy demand reduction/management; 3. Monitoring and improving air quality in built environment and cities (e.g., healthy built environment and air quality management); 4. Energy efficient, low/zero carbon, and green buildings/communities; 5. Climate change mitigation and adaptation in urban environments; 6. Green infrastructure and BMPs; 7. Environmental Footprint accounting and management; 8. Urban agriculture and forestry; 9. ICT, smart grid and intelligent infrastructure; 10. Urban design/planning, regulations, legislation, certification, economics, and policy; 11. Social aspects, impacts and resiliency of cities; 12. Behavior monitoring, analysis and change within urban communities; 13. Health monitoring and improvement; 14. Nexus issues related to sustainable cities and societies; 15. Smart city governance; 16. Decision Support Systems for trade-off and uncertainty analysis for improved management of cities and society; 17. Big data, machine learning, and artificial intelligence applications and case studies; 18. Critical infrastructure protection, including security, privacy, forensics, and reliability issues of cyber-physical systems; 19. Water footprint reduction and urban water distribution, harvesting, treatment, reuse and management; 20. Waste reduction and recycling; 21. Wastewater collection, treatment and recycling; 22. Smart, clean and healthy transportation systems and infrastructure

- [Homepage](#)
- [How to publish in this journal](#)
- [Contact](#)
- [Join the conversation about this journal](#)

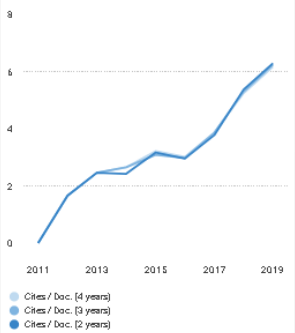
Quartiles



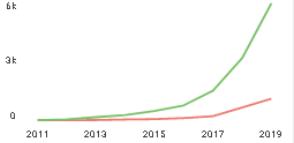
SJR



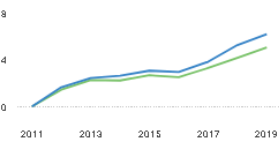
Citations per document



Total Cites



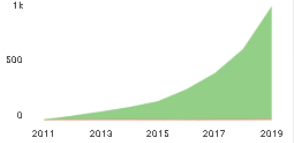
External Cites per Doc



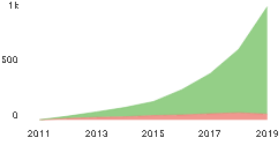
% International Collaboration



Citable documents



Cited documents



Sustainable Cities and Society

Civil and Structural Engineering

Q1

best quartile

SJR 2019: 1.36

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.sciencedirect.com/journal/S01676369" >Sustainable Cities and Society</a>
```



ISSN: 2210-6707

- Submit Your Paper
- Supports Open Access
- View Articles
- Guide for Authors
- Abstracting/ Indexing
- Track Your Paper
- Order Journal
- Journal Metrics
 - CiteScore: 7.5

Sustainable Cities and Society

Editor-in-Chief: Professor F. Haghighat

> View Editorial Board

> CiteScore 7.5 | Impact Factor 5.268

Sustainable Cities and Society (SCS) is an international journal focusing on fundamental and applied research aimed at designing, understanding, and promoting **environmentally sustainable and socially resilient cities**. We encourage submission of cross-cutting, multi-disciplinary research in the areas...

Read more

[Most Downloaded](#) [Recent Articles](#) [Most Cited](#) [Open Access Articles](#)

The Lisbon ranking for smart sustainable cities in Europe - [Open access](#)
Adalberto Akende | Pedro Castro | ...

Towards sustainable smart cities: A review of trends, architectures, components, and open challenges in smart cities
Bhagyee Nathali Siva | Muneed Khan | ...

The contribution of wood-based construction materials for leveraging a low carbon building sector in Europe - [Open access](#)
Jakob Hildebrandt | Nina Hagemann | ...

> View All Most Downloaded Articles



Sustainable Cities and Society
Supports open access

7.5
CiteScore

5.268
Impact Factor

Articles & Issues ▾ About ▾ Publish ▾

Search in this journal



About the journal

Aims and scope Editorial board Abstracting and indexing

Editor-in-Chief



Professor F. Haghghat
Concordia University, Montréal, Quebec, Canada

Associate Editors



Enrico Fabrizio
Polytechnic of Turin, Torino, Italy

Benjamin C. M. Fung
McGill University, Montréal, Quebec, Canada

Kavah Madani
Yale University, New Haven, Connecticut, United States

Ryozo Ooka
The University of Tokyo, Tokyo, Japan

Editorial Board



Leonida Anthopoulos, PhD
University of Thessaly Department of Business Administration, Larissa, Greece

Niccolò Aste
Polytechnic of Milan, Milano, Italy



Umberto Berardi, PhD
Ryerson University Department of Architectural Science, Toronto, Ontario, Canada



Shi-Jie Cao
Southeast University, Nanjing, China



Rui Alexandre Castanho
WSB University, Dabrowa Gornicza, Poland

Zhi Chen, PhD
Concordia University, Montréal, Quebec, Canada

Ruchi Choudhary
University of Cambridge, Cambridge, United Kingdom



Mehmet Eesen
Firat University, Technology Faculty, Energy Systems Engineering
Department, Elazığ, Turkey

Dagmar Haxae
Helmholtz-Centre for Environmental Research - UFZ, Leipzig, Germany

Aya Haghiahima
Kyushu University, Fukuoka, Japan

Carlos Henggeler Antunes
University of Coimbra, Coimbra, Portugal

Koizumi Hideki
The University of Tokyo, Tokyo, Japan

Shahram Jadid
Iran University of Science and Technology, Tehran, Iran, Islamic Republic of

Nadeem Javid
COMSATS University Islamabad, Islamabad, Pakistan

Gwanggil Jeon
Incheon National University, Incheon, Korea, Republic of

Peleg Kremer
Villanova University, Villanova, Pennsylvania, United States



Borong Lin
Tsinghua University, Beijing, China



Jesus Lizana
University of Seville, Seville, Spain

Janaina Mæle
University of Caxias do Sul, CAXIAS DO SUL, Brazil



Ali Nazemi
Concordia University, Montréal, Quebec, Canada



Jose Oroz, PhD
University of A Coruna, A Coruna, Spain

Cristina Pronello
University of Applied Sciences for Technology Compiègne, Compiègne,
France



David J. Sailor
Arizona State University, Tempe, Arizona, United States

Ferdinando Salata
University of Rome La Sapienza, Roma, Italy

Uroš Stritih
University of Ljubljana, Ljubljana, Slovenia

Theocharis Tsoutas
Technical University of Crete, Chania, Greece

Ramalingam Velraj
Anna University Chennai, Chennai, India

Jun Xia
Chinese Academy of Sciences, Beijing, China

Tan Yigitcanlar
Queensland University of Technology Civil Engineering and Built
Environment School, Brisbane, Australia

Zhun Yu
Hunan University, Changsha, China

Yanping Yuan
Southwest Jiaotong University, Chengdu, China

Z. John Zhai
University of Colorado Boulder, Boulder, Colorado, United States

Jie Zhang
Nanyang Technological University, Singapore, Singapore

Actions for selected articles

Select all / Deselect all

Download PDFs

Export citations

Show all article previews

Contents

Review Articles

Regular Articles

Special issue on Citizen and Sustainable Society guest edited by Enrico Fabrizio

Special Issue on Energy Storage with Energy Efficient Buildings and Districts-IEA-ECES Annex 31; Edited by Uroš Stritih, Halime Paksoy

Research article Full text access

Online optimization of a multi-conversion-level DC home microgrid for system efficiency enhancement

V. Boscaino, J.M. Guerrero, I. Ciornel, L. Meng, ... G. Zizzo

Pages 417-429

Download PDF Article preview

Research article Full text access

A vague set fuzzy multi-attribute group decision-making model for selecting onsite renewable energy technologies for institutional owners of constructed facilities

H.M. Elzarka, Hongyan Yan, Debaditya Chakraborty

Pages 430-439

Download PDF Article preview

Research article Full text access

Numerical evaluation of thermal comfort in traditional courtyards to develop new microclimate design in a hot and dry climate

Nazanin Nasrollahi, Mojtaba Hatami, Seyedeh Raziyeh Khastar, Mohammad Taleghani

Pages 449-467

Download PDF Article preview



Actions for selected articles

Select all / Deselect all

Download PDFs

Export citations

Show all article previews

Contents

Review Articles

Regular Articles

Special issue on Citizen and Sustainable Society guest edited by Enrico Fabrizio

Special Issue on Energy Storage with Energy Efficient Buildings and Districts-IEA-ECES Annex 31; Edited by Uroš Stritih, Halime Paksoy

Special Issue on Role of Big Data Analytics in Sustainable Smart Cities

Research article Full text access

Theorizing spatial dynamics of metropolitan regions: A preliminary study in Java and Madura Islands, Indonesia

Imam Buchori, Agung Sugiri, Maryono Maryono, Angrenggani Pramitasari, Istiqomah T.D. Pamungkas

Pages 468-482

Download PDF Article preview

Research article Full text access

Behavioral similarity of residential customers using a neural network based on adaptive resonance theory

Daniela S. Justo, Carlos R. Minussi, Anna Diva P. Lotufo

Pages 483-493

Download PDF Article preview

Research article Full text access

Monitoring road traffic congestion using a macroscopic traffic model and a statistical monitoring scheme

Abdelhafid Zeroual, Fouzi Harrou, Ying Sun, Nadhir Messai

Pages 494-510

Download PDF Article preview



Help improve this page