

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

Judul karya ilmiah (paper) : Sustainable Land Use Model In Garang Watershed
 Jumlah Penulis : 2 orang
 Status Pengusul : Penulis Ketiga (Widjonarko Widjonarko, **Maryono Maryono**)
 Identitas prosiding : a. Judul Prosiding : 2nd international conference on Urban Design and Planning
 b. ISBN/ISSN : e-ISSN: 1755-1315; p-ISSN: 1755-1307
 c. Tahun Terbit/tempat pelaksanaan : 2022, Semarang, Indonesia
 d. Penerbit/organiser : IOP Conference Series: Earth and Environmental Science
 e. DOI artikel : <https://doi:10.1088/1755-1315/1082/1/012028>
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a. Kelengkapan unsur isi paper (10%)	3.0		2.7
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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9.0		8.6
d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	9.0		8.6
Total = (100%)	30.0		28.6
Nilai Pengusul : (40%*28.6)=11.44			

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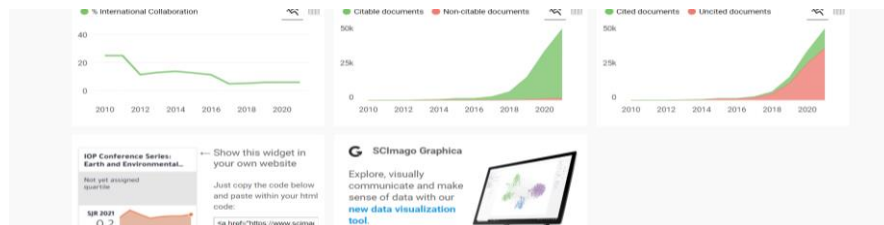
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c) Kecukupan dan kemutakhiran data/informasi dan metodologi

- studi yang disajikan menggunakan metoda permodelan statistik dan GIS
- model statistik yang digunakan adalah statistik persamaan linear
- model GIS yang digunakan menggunakan standar aplikasi GIS
- Literature setiap bagian bersifat standar, yaitu bersifat memakai, belum pada tahapan melakukan kritik dan penilaian terhadap penelitian yang dilakukan sebelumnya
- Ulasan metoda, literature belum menawarkan metoda baru dan atau pemrograman baru.

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Semarang, 20 September 2022

Reviewer 1

Dr. Anita Ratnasari Rakhmatulloh, ST., MT

NIP.197407201998031001

Departemen PWK, FT. UNDIP

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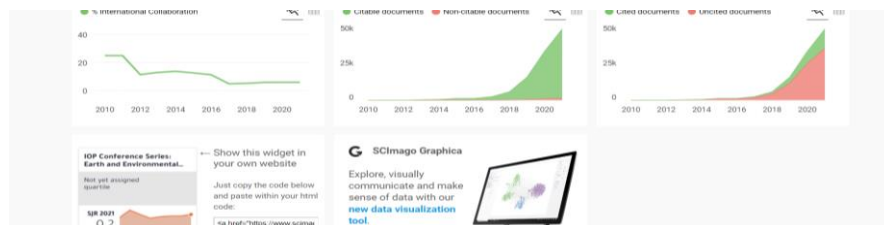
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Semarang, 22 September 2022

Reviewer 2

Dr.-Ing. Wakhidah Kurniawati, ST., MT
NIP. 197603052000122001
Departemen PWK, FT. UNDIP

**LEMBAR
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Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Reviewer		
	Reviewer I	Reviewer II	Nilai Rata-rata
a. Kelengkapan unsur isi artikel (10%)	2.7	2.7	2.7
b. Ruang lingkup dan kedalaman pembahasan (30%)	8.7	8.7	8.7
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	8.6	8.6	8.6
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	8.6	8.6	8.6
Total = (100%)	28.6	28.6	28.6
Nilai Pengusul (40%)	11.44	11.44	11.44

Semarang, 22 September 2022

Reviewer 1,



Dr. Anita Ratnasari Rakhmatulloh., ST., MT
 NIP.19740720199832001
 Departemen PWK, FT. UNDIP

Reviewer 2,



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 Departemen PWK, FT. UNDIP

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Sustainable Land Use Model in Garang Watershed

Widjonarko, Widjonarko ; [Maryono, Maryono](#)[Save all to author list](#)

^a Geomatic and Planning Laboratory, Department of Urban Dan Regional Planning, Diponegoro University, Indonesia

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Abstract

Land cover change is a phenomenon that often occurs along with population growth and economic activity. This phenomenon not only occurs in urban areas but also penetrates into suburban areas, which incidentally have an important role in the water flow system. The same condition occurs in the Garang Watershed, Semarang City, where changes in land cover have begun to penetrate the water catchment area. Land cover change in the Garang watershed system will certainly have consequences for potential water-related disasters, and it will get worse due to climate change. Climate change in many places has triggered a water-related disaster or hydrometeorological disaster. Land cover change and climate change are conditions that cannot be avoided but can be managed so that they do not have a negative impact on the community. To minimize the adverse impacts of land cover changes and climate change is to provide land use directions that can reduce the threat of hydrometeorological disasters so that the sustainability of the ecosystem in the Garang watershed can be maintained. One approach that can be used in the framework of sustainable land use modeling is the spatial regression

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Draft of Preface

Dear honorable speakers, participants, committees, distinguished guests, ladies, and gentlemen.

On behalf of the 2nd ICUDEP committee, I am honored and glad to welcome you to the 2nd International Conference on Urban Design and Planning (ICUDEP) 2022, with the theme "Sustainable Urban Design and Development in The Post Pandemic World". This conference is expected to be an interactive international forum that represents our concern on the built environment intervention and socio-economic discussion to produce a transformative study towards creating more just, resilient, and sustainable cities.

Our technical program is varied with 4 keynote speeches, around 40 technical papers divided into 4 parallel presentation sessions and around 250 participants. The participants come from various countries such as Indonesia, Malaysia, Netherlands, and Hongkong consisting of researchers, lecturers, practitioners, graduate students and scholars from various institutions. We also proudly present plenary speakers eligible to share their valuable research and knowledge at this conference. On behalf of the 2nd ICUDEP committee, we hope all participants have good results.

This international conference is hosted by Universitas Diponegoro and collaborates with Razak Faculty of Technology and Informatics Universiti Teknologi Malaysia and the Indonesian Planning Expert Association. On this occasion, I also want to thank the organizing team of the Laboratory of Urban Design, Department of Urban and Regional Planning, Universitas Diponegoro, for their hard work and dedication in preparing for this conference. We tried our best to organize this event and realized that we might still lack some parts, so we want to apologize for any inconvenience. We are proud to present the 2nd ICUDEP 2022.

Dr.-Ing. Santy Paulla Dewi, ST, MT

Chairman Of The 2nd ICUDEP 2022



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M F Rashid^{1*}, N S Yusoff¹ and K H Kamarudin¹

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Abstract. The Covid-19 pandemic has impacted the entire world dramatically. The unprecedented Covid-19 pandemic has widely impacted on Malaysia's economy, especially towards the small-scale economic activities related to the small medium enterprises (SMEs). Therefore, this paper aims to determine the impact of the Covid-19 pandemic towards the resilience of SMEs in Johor, Malaysia. The research methodology employed a quantitative method through a survey method via questionnaire sampling of 60 owners involved in SMEs operators across the case study. The research finding indicated that the Covid-19 pandemic had a massive influence on the economy of the majority of SMEs operators, especially on their income generations which average losses in revenue of more than 50 percent during the Covid-19 pandemic compared to 2019. This resulted from the shutdown of their business activities to curb the spread of the Covid-19 pandemic. Other findings highlighted that the government's initiatives to address the economic impact of SMEs yet insufficient to sustain business activities and income generations for instance access to financing facilities, product marketing opportunities and others. Therefore, required immediate initiatives should be made by all the stakeholders to reduce the economic impacts among the SMEs.

Keywords: Covid-19 pandemic, SMEs

1. Introduction

The Covid-19 pandemic had a significant influence on the entire world. This pandemic is an unexpected global phenomenon that has caused economic instability. In Malaysia, this pandemic has affected most businesses, including small and medium enterprises (SMEs) which make up a significant 98.5 percent of Malaysian businesses [1][2]. Approximately 73 percent of SME's operators in the country recorded losses in 2020 [3]. This situation led to the issue of unemployment where the Department of Statistics Malaysia (DOSM) reported on the rising levels of unemployment in Malaysia which may eventually give way to social woes such as higher rates of crime. Immediate measures should be taken place to empower a significant role by the SME sector to be a buffer for the national economy as they are more dependent on domestic demand, compared to the main sector which is dependent on external demand.

The Malaysian government responded to this Covid-19 threat by introducing the "Prihatin Rakyat Stimulus Package" (PRIHATIN) which aims to alleviate the financial burden of people and businesses during the pandemics especially with the enforcement of the Movement Control Order (MCO) for almost two years [4]. The continuous effort by the Malaysia government under the "National Economic Regeneration Plan" (PENJANA) supported by 24 initiatives with an allocation of RM14.5 billion has a direct impact on SMEs including financial assistance and a moratorium on financing payments to ease



Climate Change Impact on the Coastal Settlement Quality and the Relation with the Attainment of Semarang Healthy City

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Abstract. Climate change affects the increase in air temperature, making the dry season hotter and the humidity decrease; the difficulty of obtaining clean water and high rainfall makes the frequency of tidal waves and floods higher. This situation is placed in Tanjung Mas, a coastal village in Semarang City. Tidal flood worsens the environmental quality of community settlements, coupled with poor water quality, high population density, and uninhabitable housing, making the risk of transmission of both water-borne and vector-borne diseases surge. The situation above reflects that achieving healthy city efforts is challenging for the Semarang City government and the community because of climate change. Hence, this study reveals the impact of climate change on the settlement quality that influences the healthy city achievement. This study uses qualitative methods that rely on secondary data from the government agencies' websites and the internet. The analysis results showed that the quality of settlements in Tanjung Mas has decreased along with climate change. The community, especially the elderly and children, are also increasingly susceptible to exposure to diseases, as indicated by significant cases of diarrhea and pneumonia. Therefore, achieving a healthy city from the settlements and healthy infrastructure indicators is still not optimal.

Keywords: climate change, coastal settlements, healthy infrastructure, Tanjung Mas

1. Introduction

On 27-30 March 2022, Semarang hosted the 2022 Healthy Cities Summit, attended by government representatives of regencies and cities in Indonesia (<https://kotasehat.semarangkota.go.id>). A healthy city is a city that has cleanliness, safety, and a healthy environment so that the community feels comfort through several integrated arrangements and activities regulated by local government policies and mutual agreements (Joint Regulation of the Minister of Home Affairs 34 of 2005 and the Minister of Health Number 1138 of 2005). 2005). A healthy city is one of the outputs that signifies the success of sustainable urban development implementation. The assessment of healthy city categories refers to nine arrangements: settlement and public facilities and infrastructure areas, traffic order areas and



A literature review of dual disaster challenges for resilient office building toward reducing disaster risks

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Abstract. Flood is acknowledged as the most common natural disaster in several parts of the globe. For Malaysia, flood is considered as the most frequent natural disaster, with the frequency of at least once a year. The risks of flood can be seen through property loss and damages, infrastructure casualties, and disruption to socio-economic activities. Adding to that, Malaysia also faced the flood during the pandemic when it hit several states, namely Pahang, Johor, and Kelantan, during the monsoon season in 2020 and 2021, amid the rising cases of Covid-19. The ongoing COVID-19 pandemic has posed significant challenges for disaster response, calling for the “new norms” to be quickly established for better disaster risk reduction. Several mitigation strategies have been taken by the government to reduce the risks of floods in Malaysia. As office buildings possess important roles in delivering effective services to the public while maintaining their critical documents, this paper focuses on providing related literature on building resilience. Having an early understanding of the core elements of office building resilience in dual disaster challenges will provide the basis for further investigation in the later stage of data collection.

Keywords: covid-19, disaster risks, monsoon flood, office building resilience

1. Introduction

In recent years, the occurrence of floods around the world has been on the rise and predicted to become more frequent as an effect of climate change which has brought intense rainfalls throughout the globe [1] [2]. It has brought a great loss to humans and extensive damage to the properties, apart from affecting the socioeconomic activities [3]. Kuala Lumpur, Penang, and Johor were among the large and emerging cities that often experienced the flood phenomenon. It was due to the unrestrained human activities such as the development of infrastructures and the cluttering of debris and waste nearby the river that could clog drains and waterways. Meanwhile, the monsoon floods also occur yearly during the rainy season in the East Coast states of Peninsular Malaysia, such as Pahang, Kelantan, and Terengganu.

Almost every year, floods hit several states in Malaysia, specifically in the monsoon season. The disaster is expected to occur from October to March, during the northeast monsoon season on the east coast of peninsular Malaysia, which is extremely vulnerable to floods. Therefore, it is vital for Malaysia to have a coping mechanism to face the disaster situation. It should not be applied only to the people and community, but we must also look from the context of office building resilience towards disaster,





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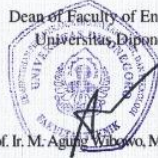
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