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

Judul karya ilmiah (artikel) : Land Use and Trip Attraction Modelling to Pandemic Anticipation Policy Toward Sustainable Development in Semarang

Jumlah Penulis : 2 penulis

Status Pengusul : Sri Rahayu, **Yudi Basuki**

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f. Terindeks di : Scopus (Proceeding)

Kategori Publikasi Makalah : ☒ *Prosiding* Forum Ilmiah Internasional
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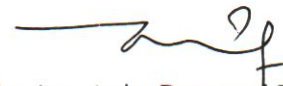
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Total = (100%)	30		28
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- a. Unsur artikel lengkap, metode IMRAD telah diimplementasikan dengan baik.

- b. Ruang lingkup dan pembahasan cukup mendalam. Artikel fokus pada beberapa faktor penggunaan lahan dan interaksi transportasi yang harus dipertimbangkan dalam pengembangan kota berkelanjutan setelah pandemic Covid-19. Hal ini telah sesuai dengan peta penelitian dari penulis dan tim.
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- d. Prosiding telah terindeks SCOPUS dan mencakup beberapa penelitian dalam bidang ilmu yang cukup bervariasi mulai dari ilmu sosial sampai ke teknik terapan. Secara umum dapat dikatakan bahwa kualitas paper yang dikelola menjadi kurang spesifik

Semarang, 17 Mei 2023
Reviewer 1,



Dr. Ars. Anita Ratnasari R. ST, MT
NIP. 197407201998032001
Departemen PWK, FT, Undip

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Komponen Yang Dinilai	Nilai Maksimal <i>Prosiding</i>		Nilai Akhir Yang Diperoleh
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a. Kelengkapan unsur isi paper (10%)	3		3
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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		8
d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	9		8
Total = (100%)	30		27
Nilai Pengusul : $0,4 \times 27 = 10,8$			

Catatan Penilaian paper oleh Reviewer :

- a. Substansi artikel sesuai dengan tema conference, karena pembahasan dalam artikel berhubungan dengan analisis keterkaitan spasial penggunaan lahan dan transportasi. Artikel juga telah dipresentasikan pada konferensi internasional dengan peserta lebih dari 4 negara.

- b. Ruang lingkup dan pembahasan cukup mendalam. Artikel fokus pada peta analisis dengan metod coverlay dan pembobotan agar dapat memprediksi bangkitan pergerakan untuk mengatasi kondisi pandemi Covid-19.
- c. Tidak ada metode yang baru. Artikel didukung dengan data yang cukup valid, dari hasil survei primer di tahun 2000. Analisis dilakukan dengan pertimbangan deskriptif dan komparatif dengan beberapa rujukan artikel dengan publikasi 10 tahun terkini lebih dari 40% dari total rujukan yang dipaki.
- d. Artikel telah diterbitkan pada prosiding berindeks scopus dengan proses review oleh komite ilmiah yang ditunjuk oleh Panitia. Prosiding dapat diakses dengan mudah melalui online.

Semarang, 17 Mei 2023
Reviewer 2,



Wido Praning Tyas ST, MDP, Ph.D
NIP. 197301121998032001
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LEMBAR
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Status Pengusul : Sri Rahayu, **Yudi Basuki**

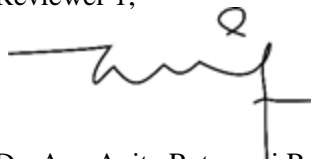
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b. Ruang lingkup dan kedalaman pembahasan (30%)	8	8	8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	8	8	8
d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	9	8	8,5
Total = (100%)	28	27	27,5
Nilai = (40% x 27,5)			11

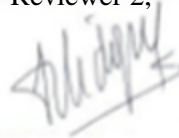
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Land use and trip production model in central and peri-urban Semarang to anticipate land use conversion in post pandemic era

[Basuki Y.](#) ; [Rahayu S.](#)

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

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Abstract

The development of core and peri-urban Semarang has land use conversion that increases human mobility. If this phenomenon is not well anticipated, it will cause transportation problems such as inefficiency of energy, and pollution. After the pandemic, the urban activity will be normal, and land use conversion will be more extensive again. A transportation model is needed to understand the land use that most influences the movement. This article aims to formulate a mathematical model that can identify land uses that affect trips or movement. To build a model, data on trip production in each village in core and peri-urban Semarang as the dependent variable and the various land use as independent variables. The regression model obtained by $D = 0.009 \text{ residence} + 1432.529$ with R^2 0.597. in the core of Semarang and $D = 0.004 \text{ residence} - 991.223$ with R^2 0.791 in peri-urban. The

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Nanditha, A. , Sanjay Kumar, V.S.

(2023) *Lecture Notes in Civil Engineering*

Analysis of Backward Methods for Determining Trip Attraction Model on Commercial and Service Area in Sukun Raya Road, Banyumanik, Semarang.

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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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The Impact of Covid-19 Pandemic towards the Resilience of Small Medium Enterprises (SMEs) in Malaysia

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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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