

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

Judul karya ilmiah (paper) : Can Building Density Influence the Amount of BRT Trans Semarang Ridership?  
 Jumlah Penulis : 3 penulis  
 Status Pengusul : I Octaviani, **Diah Intan K.D** Anita Ratnasari Rakhmatulloh  
 Identitas prosiding : a. Judul Prosiding : The 1<sup>st</sup> International Conference on Urban Design and Planning  
 b. ISBN/ISSN : 1755-1307, EISSN (1755-1315)  
 c. Tahun Terbit/tempat pelaksanaan : 2020 / Semarang  
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 e. alamat repository PT/web : <https://iopscience.iop.org/article/10.1088/1755-1315/409/1/012038/pdf>  
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 Kategori Publikasi Makalah :  *Prosiding* Forum Ilmiah Internasional  
 (beri ✓ pada kategori yang tepat)  *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal <i>Prosiding</i>		Nilai Akhir Yang Diperoleh
	Internasional 30	Nasional <input type="text"/>	
a. Kelengkapan unsur isi paper (10%)	3		2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		9
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		8
d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	9		7
<b>Total = (100%)</b>	<b>30</b>		<b>26,5</b>
<b>Nilai Pengusul :</b>			

Catatan Penilaian paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal:  
Artikel lengkap dan sesuai dengan template prosiding
- Ruang lingkup dan kedalaman pembahasan:  
Referensi yang digunakan cukup banyak namun belum konsisten dalam teknis format penulisan referensi, Pembahasan hasil pengolahan data telah disajikan dengan jelas dan terperinci setiap grafik/tabel dalam diskusi.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:  
Referensi teori banyak dan terbaru, metodologi cukup detil dan jelas, akan lebih menarik jika diperjelas terutama tabel 2, dan dalam diskusi hasil dihubungkan dengan teori yang relevan
- Kelengkapan unsur dan kualitas terbitan:  
Editing kurang sempurna pada bagian kesimpulan. Artikel telah terindex scopus dengan similarity index Turnitin 14%, dapat digunakan sebagai prasyarat untuk pengusulan ke Lektor Kepala

Semarang, 13 April 2020

Reviewer 1,



Wido Prananing Tyas, ST, MDP, PhD  
 NIP. 197301121998032001  
 Departemen PWK FT.UNDIP

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Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional 30	Nasional □	
a. Kelengkapan unsur isi paper (10%)	3		2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		7,0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		7,0
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	9		8,0
<b>Total = (100%)</b>	<b>30</b>		<b>24,5</b>
<b>Nilai Pengusul :</b>			

Catatan Penilaian paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal: artikel lengkap dan sesuai dengan template, tema yang dibahas sesuai dengan tema konferensi. Abstract belum ada outcome. Kajian literatur, masuk dalam introduction.
- Ruang lingkup dan kedalaman pembahasan: ruang lingkup artikel relevan dengan jurnal keteknikan, penulisan referensi inkonsisten, kedalaman pembahasan artikel cukup, dialog teori dan analisis kurang.
- Kecukupan dan kemutakhiran data/informasi dan metodologi: data referensi cukup dan terbaru, data dan metodologi tidak dilengkapi analisis spasial.
- Kelengkapan unsur dan kualitas terbitan: kelengkapan dan kualitas prosiding baik. Similarity index Turnitin 14%, dapat digunakan sebagai prasyarat untuk pengusulan ke Lektor Kepala

Semarang, 14 April 2020  
 Reviewer 2,



Dr. Ars. Ir. Rina Kurniati, MT  
 NIP. 196608221997022001  
 Departemen PWK FT.UNDIP

**LEMBAR  
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Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Review		
	Review I	Review II	Nilai Rata-Rata
a. Kelengkapan unsur isi artikel (10%)	2,5	2,5	2,5
b. Ruang lingkup dan kedalaman pembahasan (30%)	9	7,0	8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	8	7,0	7,5
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	7	8,0	7,5
Total = (100%)	26,5	24,5	25,5

Reviewer I,



Wido Prananing Tyas, ST, MDP, PhD  
 NIP. 197301121998032001  
 Departemen PWK FT.UNDIP

Semarang, 14 April 2020  
 Reviewer II,



Dr. Ars. Ir. Rina Kurniati, MT  
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IOP Conference Series: Earth and Environmental Science  
 Volume 409, Issue 1, 3 January 2020, Article number 012038  
 1st International Conference on Urban Design and Planning, ICUDEP 2019; Semarang; Indonesia; 10 September 2019 through ; Code 156934

**Can Building Density Influence the Amount of BRT Trans Semarang Ridership?** (Conference Paper)

(Open Access)

Oktaviani, I. ✉️, Dewi, D.I.K., **Rakmatulloh, A.R.** 🔍

Department of Urban and Regional Planning, Diponegoro University, Jl. Prof. Soedarto Tembalang, Semarang, Indonesia

Abstract

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Low ridership of bus rapid transit (BRT) can lead to public transport inadequacy problem. The amount of ridership in a particular area may be influenced by built environment in the surroundings. This study focuses on of the built environment, building density at neighbourhood level. This paper aims to analyze the relationship between building density and amount of BRT Trans Semarang ridership. This study uses a quantitative method with multiple linear regression as the analysis tool to analyze the relationship between the two. The findings show only high density, or building of more than eight stories has a relation to number of Trans Semarang corridor I ridership. It shows that building which has function as an office or place to work can generate BRT Trans Semarang passengers who is walking. © Published under licence by IOP Publishing Ltd.

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