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

Judul Jurnal Ilmiah (Artikel)	:	Development Of Seismic Microzonation Maps Of Semarang, Indonesia		
Jumlah Penulis	:	4 Orang (Windu Partono, **Sri Prabandiyani RW**, Masyur Irsyam, Syamsul Maarif)		
Status Pengusul	:	penulis ke-2		
Identitas Jurnal Ilmiah	:	a. Nama Jurnal	:	Jurnal Teknologi
		b. Nomor ISSN	:	eISSN 2180-3722
		c. Vol, No., Bln Thn	:	Vol 77 No. 11 Pp. 99-107, September 2015, hal. 99-107
		d. Penerbit	:	UTM Press
		e. DOI artikel (jika ada)	:	10.l l l 13/jt.v77.6428
		f. Alamat web jurnal	:	https://jurnalteknologi.utm.my/index.php/jurnalteknologi/article/view/6428
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Prof. Dr. Ir. Han Ay Lie, M.Eng.
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Semarang, 10-2-2020
Reviewer 1

Prof. Dr. Ir. Han Ay Lie, M.Eng
NIP. 19561 091985032002
Unit kerja : Departemen Teknik Sipil FT UNDIP

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Semarang,
Reviewer 2

Prof. Dr.Ir. Sri Tudjono, MS
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Document details

Jurnal Teknologi Open Access
Volume 77, Issue 11, 2015, Pages 99-107

Development of seismic microzonation maps of Semarang, Indonesia (Article)

(Open Access)

Partono, W.[a], Wardani, S.P.R.[a], Irsyam, M.[b], Maarif, S.[c]

[a]Diponegoro University, Semarang, Indonesia
[b]Bandung Institute of Technology, Bandung, Indonesia
[c]National Agency for Disaster Management, Indonesia

Abstract

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The new Indonesian Code for seismic resistance design for building has been issued recently. It follows the concept of Risk-Targeted Maximum Considered Earthquake (MCER). Seismic risk microzonation of Semarang is analyzed using the new concept. Seismic risk microzonation study for hazard mitigation is also performed for the whole city based on deterministic approach, considering the closes distance fault (Lasem Fault). Interpretation of local site effects is performed by carrying one-dimensional ground response analysis. Depth of bedrock is estimated based on single station feedback seismometer measurement. Geotechnical parameters are interpreted from recent and previous measurements. The result of deterministic microzonation study includes the distribution of surface peak ground acceleration (PGA) and spectral acceleration due to Lasem Fault. The obtained results are compared with the distribution of surface PGA and spectral acceleration obtained through new code.

SciVal Topic Prominence

Topic: wave velocity | Shear waves | seismic hazard

Prominence percentile: 63.173

Author keywords

Bedrock | Deterministic | Local site effect | Risk-targeted maximum considered earthquake | Seismic microzonation

ISSN: 01279696
Source Type: Journal
Original language: English

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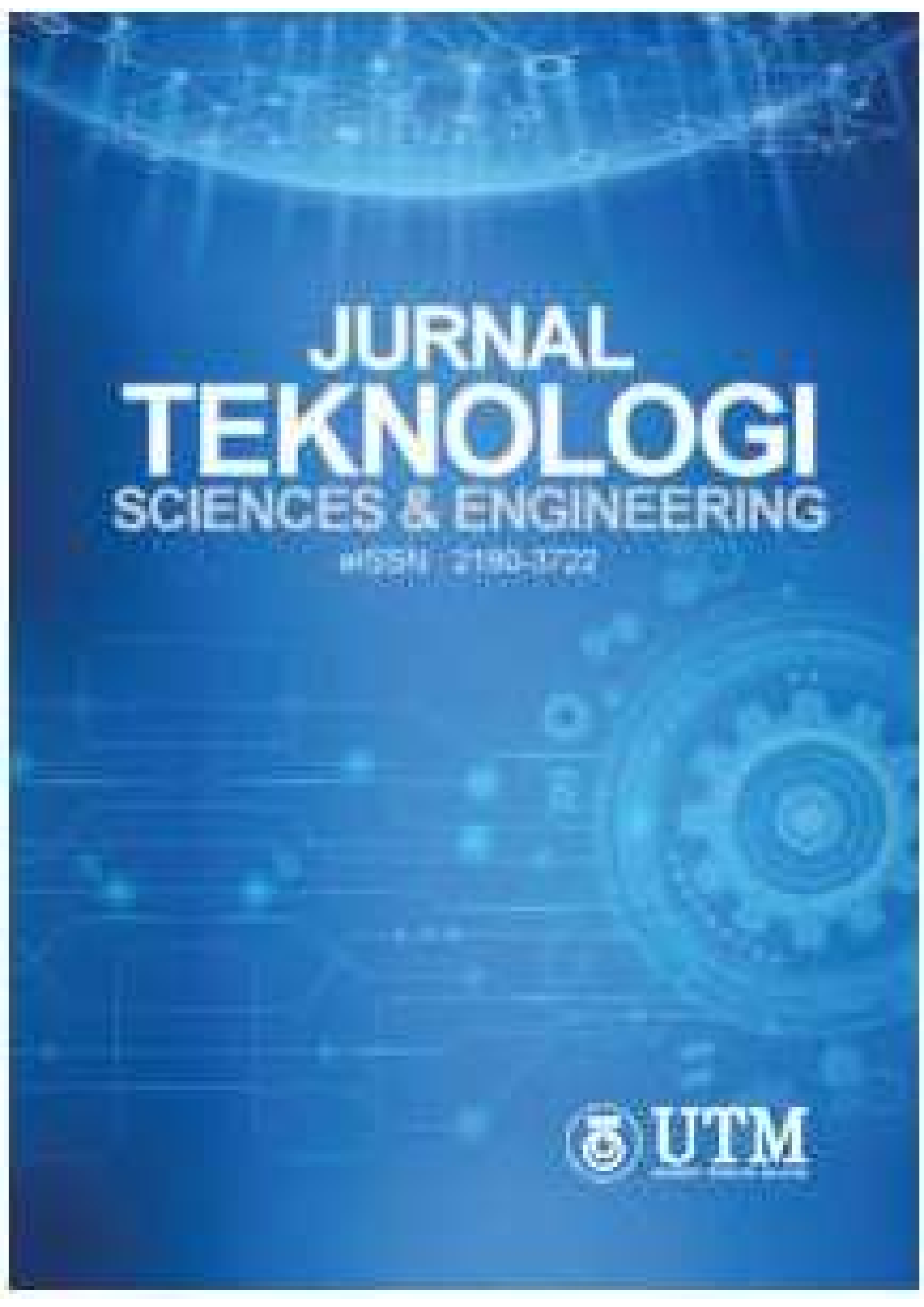
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UTM JURNAL TEKNOLOGI
EISSN 2180-3722
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