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Submission 32	ICEE 2017	Conference ↩	News	EasyChair
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## ICEE 2017

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### Conference Information



Acronym of the event:	ICEE 2017
Name of the event:	4th International Conference on Earth Sciences and Engineering
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Submission 32	
Title:	Determination of Pavement Thickness based on Threshold Stress of the Subgrade Soil
Paper:	  (May 09, 18:37 GMT)
Author keywords:	threshold stress induced stress design chart
EasyChair keyphrases:	threshold stress (336), induced stress (110), effective stress (110), subgrade soil (110), concentrated load (90), pavement layer (80), threshold stress value (79), shear stress (70), design method (70), pavement layer thickness (63), wheel load (60), uniform load (60), highway formation (50), load acting (50), stress level (50), design chart (50), formation depth (50), pavement thickness (50), traffic loading (50), asphalt institute method (47), threshold stress line (47), shear strength (40), perencanaan tebal perkerasan lentur (40), maximum pore water pressure (40)
Topics:	Geotechnical Engineering
Abstract:	This paper presents the threshold stress determination to determine the pavement thickness. This design method is based on maintaining the maximum deviator stress induced from traffic loadings on top of the subgrade below the threshold stress of the subgrade by providing a suitable pavement layer thickness. The design method is intended to achieve a stable deformation behavior of the subgrade soil under repeated loadings, thus limiting plastic deformation. This method has significant advantages over existing ones. It is applicable to the various soil types, different surfaces, base and subbase qualities. The effects of surface and base qualities are isolated from the formation quality, and can be readily presumed and determined. A simple laboratory test procedure for quick evaluation of the threshold stress of the subgrade soil is suggested. A flow chart is given for the systematic formation design along with a suitable example. The importance of drainage conditions for the success of this approach is emphasized. The design method is evaluated by observing the performance of an actual formation under repeated load applications.
Submitted:	May 09, 18:37 GMT
Last update:	May 09, 18:37 GMT

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#	Authors	Title	View	paper	Program
32	Elsa Eka Putri, N.S.V. Kameswara Rao and M.A Mannan	Determination of Pavement Thickness based on Threshold Stress of the Subgrade Soil			

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**URGENT STATUS : IJCIET publication**

1 message

**ICEE 2017** <iceeunand@gmail.com>

30 October 2017 at 11:21

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Salam bpk/ibu,

Pertama2 kami panitia ICEE mengucapkan selamat atas sdh terbitnya paper bpk/ibu di journal IJCIET. Kami menerima laporan dari bbrp authors bahwa telah terjadi kesalahan pada paper yg diterbitkan. Kami akan membantu menghubungi pihak penerbit untuk melakukan revisi terhadap paper2 bapak ibu. Untuk itu, mohon dicek papernya masing2 dan mengirimkan kembali kepada kami paling lambat tanggal 31 Oktober 2017 dengan melampirkan informasi sbb:

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