## Judul Paper :

"From Micro to Macro, The Weakening Effect of The Interface Transition Zone to The Structure"

Not secure   https://dl6.globalstf.org/index.php/jet/article/view/765	ତ ବ୍
GSTF Journal of Engineering Technology (JET)	
HOME ABOUT LOGIN SEARCH ARCHIVES	OPEN JOURNAL SYSTEMS
Home > Vol 2, No 1 (2013) > Han	<u>Journal Help</u>
Ay Lie Han, Purwanto . Abstract	USER Username Password Remember me Login
Research conducted at the Diponegoro University resulted in the development of an FEM program for analyzing the influence of the Interfacial Transition Zone (ITZ) between the aggregates and the mortar, in concrete. It was shown that indeed, the ITZ has a substantial weakening effect to the ultimate strength and stiffness modulus behavior of concrete. High wcf, bleeding and the presence of a water film surrounding the aggregates, resulted in a decrease of the ITZ quality. The study was further expanded to analyze this weakening effect to a twostory building. It was found that the condition of the ITZ considerably influences the overall performance of a structure.	NOTIFICATIONS • <u>View</u> • <u>Subscribe</u> JOURNAL CONTENT Search Search Scope All