

## ANALISIS PERCEPATAN GETARAN TANAH MAKSIMUM UNTUK MEMETAKAN RESIKO BENCANA GEMPA BUMI DI KAB PEMALANG, JAWA TENGAH

<b>Title</b>	ANALISIS PERCEPATAN GETARAN TANAH MAKSIMUM UNTUK MEMETAKAN RESIKO BENCANA GEMPA BUMI DI KAB PEMALANG, JAWA TENGAH
<b>Author Order</b>	of
<b>Accreditation</b>	5
<b>Abstract</b>	Peak ground acceleration value can be used to determine the risk level of earthquake damage potential. This research calculated peak ground acceleration (PGA) value of Pemalang which located in central of Java island that nearby Indian-Australian and European-Asian tectonic plates subduction. This research has been using earthquake data since 1980 – April 2018 and calculating PGA using Fukushima-Tanaka Equation to map the risk level of earthquake damage potential as a pre-elementary step of earthquake mitigation. The result of this research showed that Pemalang area has PGA value about 13,89-34,44 gal where the maximum value located in the west part of Pemalang. Based of PGA value classification, Pemalang area has low-risk level of earthquake damage potential. Key words: Peak ground acceleration, Fukushima-Tanaka, earthquake, Pemalang
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