

Interactive comment on “Identification of high risk zones for geological origin hazards using PALSAR-2 remote sensing data: Kelantan river basin, Peninsular Malaysia” by A. Beiranvand Pour and M. Hashim

Anonymous Referee #1

Received and published: 1 August 2016

In this study, the authors tried to identify and map high risk zones using ALOS PALSAR-2 data. The topic of this manuscript is quite interesting. However, the manuscript in this stage lacks innovation either from methodological or application aspects. Moreover, the results obtained in this study is suspected, such as Figure 3, 5 and 8. From my point of view, it is challenging to derive those maps by using simplified linear filters. If more processing details and mid-products can be shown, then the results could be more confirmative.

There are several concept misleadings: 1)Line 29-30, wetlands and urban areas can

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not defined as geological hazards. 2)Line 199-200, HV polarization has a better penetration for the forest, but not subsurface. Thus, a more rigorous description is required to avoid the confusion.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-191, 2016.

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