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[Open Access](#)Analyses of rainfall rate during Malaysian 2014 flood event (Article)Basri, A.B. , Ismail, A.F. , Khairulanuar, M.H. , Sobil, N.H.M. , Badron, K. , Hasan, M.K. 

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Abstract

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An analysis based on **rainfall rate** characteristics has been carried out to estimate **flood** occurrence. In this paper, we analyzed the rain gauge data for 5 different rain gauge stations. 14 days acquired data covering events before, during and after the **flood** tragedy in Malaysia. The analysis of the rain gauge data was processed on precipitation phenomena observed in year **2014** in Kota Bharu, Kelantan (Malaysia) from 13 December until 26 December. The data was acquired from the **Malaysian** Drainage and Irrigation Department (DID). The objective of the research is to derive the tropical **flood** estimation model using rain gauge data in Malaysia. Among the preliminary result shows that the average **rainfall rate** at kota bharu is 204.5 mm/hr during the **flood** tragedy. © 2016 SERSC.

Author keywords

Flood estimation model; Flood model; Rainfall rate

Indexed keywords

Engineering controlled terms: Floods; Gages; Precipitation (meteorology); Rain gages**Flood estimation; Flood event; Flood modeling; Malaysia; Malaysians; Rain gauge data; Rain gauges; Rainfall rates****Engineering main heading:** Rain

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