Analisis Sentensity Duration Frequency Kejadian Hujan di Kabupaten Banjarnegara

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Rainfall is the most important input component in the hydrologic process. Rainfall characteristic, Å, Å which are intensity, duration, depth, and frequency. Intensity that is related to duration and Å, Å frequency can be expressed by Intensity-Duration-Frequency (IDF) curve. IDF curve can beÅ, Å used to calculate floods design using by rational method. The objective of the research is toÅ, Å create IDF curve on flood prone area on Banjarnegara regency. In this study, daily rainfall depthÅ, Å was calculated by frequency analysis, which was started by determining the daily maximumÅ, Å mean rainfall, followed by calculated statistical parameter to choose the best distribution.Å, Å Intensity could be calculated by Mononobe method. The result of this study indicated that theÅ, Å Log Normal distribution fit to most of data. The rainfall design for time periods 2, 5, 10, 15, 20,Å, Å 25, 30, 40, 50 and 100 year are 116.3, 131.5, 140.2, 144.8, 147.8, 150.1, 151.9, 154.8, 156.9,Å, Å an 163.3 mm. The highly intensity of ranfall must be happen on short duration, but the lowlyÅ,Å intensity of ranfall must be happen on long duration.
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2006-02-28
2006
DOI: 10.20884/1.dr.2006.2.1.9
Dinamika Rekayasa
Vol 2, No 1 (2006): Dinamika Rekayasa - Februari 2006
1-7
https://dinarek.unsoed.ac.id/jurnal/index.php/dinarek/article/view/9/7
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