ABSTRACT

MODEL PERIODIK DATA CURAH HUJAN STASIUN NEGARA RATU, KANDIS KARANG ANYAR DAN WAY GALIH (LAMPUNG SELATAN)

By

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The purpose of this research was conducted to understand the depth of daily rainfall and create a synthetic model of daily rainfall. The data used daily rainfall data with data length in the 12 year of 1994 year to 2005 year in 3 station which is Negara Ratu stations, Kandis Karang Anyar stasions and Way Galih stations (South Lampung).

This study uses secondary daily rainfall data in the region of south Lampung ,this study was composed rainfall data into a spectrum of time series of rainfall using the program FFT (Fast Fourier Transform), Least squares and Fourier. Periodicity of daily rainfall data were presented by using 512 rainfall data that is periodic.

Based on these results we can conclude that synthetic daily rainfall time series can be obtained exactly significant approach measurable rainfall. With the value of the average correlation coefficient (R) periodic models of three stations are 0.9762 Negara Ratu stations, 0,9752 Kandis Karang Anyar stasions and 0.9664 Way Galih station.

Keyword: daily rainfall, autoregresif model, periodic component