

WATERSHED SHAPE USING SIMODAS: A CASE STUDY OF SABU ISLAND, NTT

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ABSTRACT

The objective of this research was to know the influence of watershed to the flood's hydrograph using SIMODAS. Case study was in Sabu Island, Nusa Tenggara Timur, Indonesia. SIMODAS was a soft ware that could be used to determine watershed shape, to describe drainage network, and to produce hydrograph stream flow. Result was used: 1) to predict watershed shape, 2) to inform on the planning of building flood control, and 3) to give any consideration in the way to prevent or decrease flood.

Keywords: watershed shape, hydrograph, SIMODAS