

## Analysis of hydrologic flow at Cornell recreational club watershed using parameter efficient distributed model = Analisa alur hidrolik di cornell recreational club watershed menggunakan parameter efficient distributed model

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### Abstrak

#### **ABSTRACT**

The Parameter Efficient Distributed PED model is a simple semi distributed model capable of predicting hydrological trends on a daily and monthly basis. The capabilities of the PED model are tested on the Cornell Recreational Club Watershed. From its Nash Sutcliffe efficiency coefficient and coefficient of determination value outputs, the PED model is determined as sufficient for daily results and exceptional for monthly results. While there are still concerns, due to its simplicity, it is extraordinary for usage in countries with little hydrological data collection capabilities.

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#### **ABSTRAK**

The Parameter Efficient Distributed PED model adalah model semi-distribusi sederhana yang mampu memprediksi kecenderungan hidrologi dalam harian dan bulanan. Kemampuan dari PED model telah diuji di the Cornell Recreational Club Watershed. Mulai dari Nash-Sutcliffe efficiency coefficient dan keluaran coefficient of determination value, PED model efektif untuk hasil harian dan terkecuali untuk hasil bulanan. Sementara masih ada kekhawatiran, karena kesederhanaannya, sangat luar biasa untuk penggunaan di negara-negara dengan kemampuan pengumpulan data hidrologi yang kecil.