

# **Penerapan Model Hidrodinamika POM untuk Menentukan Sirkulasi Arus Perairan Pantai Semarang**

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## **ABSTRACT**

The research about development Princeton Ocean Model (POM) hydrodynamics modelling have been conducted for the applying at Semarang coastal zone. Research have yielded better model "POM" can be applied in Semarang coastal zone. Verification have conducted within research have showed as goodness between simulation model with field data. According to verification to velocity component and elevation at two station in Semarang coastal zone. Result of simulation model pattern movement of current, its mean direction tend to toward West and Northwest. Pattern Movement of this current is showed by result of simulation model monthly and also seasonally.

**Keywords:** hydrodynamic modelling, Princeton Ocean Model (POM), simulation model