

Simulasi tumpahan minyak mentah di pesisir ujung pangkah Jawa Timur

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Abstrak

The occident of oil spil on the sea can cause a big ecological damage and economical lost. The simulation is intended to evaluate the effect of sea current and wind on the oil spill spreading and time. By using a CFD commercial software fluent 6,0 turbelence model and multi species: the simulation was performed under effect of sea current and wind on the sea Surface of 0,6 m/sec and 2 m/ sec respecitvely. The volume of oil spill are 250, 1500 and 6000 m3. The 250m3 spil of oil does not cause environmental damage on the shore while the 1500m33 spill of oil couse a small area of the shore to be damaged. The 6000 m3 spill of oil couse a serius environmental damage on the shore and need a seriius recovery.