

Suspensi dan endapat sedimen di perairan laut Jawa

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Abstrak

Penelitian Oseanografi di perairan Laut Jawa telah dilaksanakan bulan September 2004. Sebaran suspensi permukaan berkisar antara 0.018 gr/l terendah ditemukan di sebelah Selatan Pulau Kalimantan hingga 0.053 gr/l tertinggi di sebelah Barat dari Pulau Kalimantan Selatan. Sebaran suspensi di kedalaman perairan bagian tengah berkisar antara 0.023 gr/l terendah di sebelah Barat Pancel hingga 0.051 gr/l tertinggi yang tersebar di sebelah Barat dari Pulau Kalimantan Selatan. Sebaran suspensi di kedalaman perairan bagian dasar berkisar antara 0.022 gr/l terendah yang didapatkan di sebelah Barat daya dari Pulau Kalimantan Selatan hingga 0.051 gr/l tertinggi yang tersebar di sebelah Barat dari Pulau Kalimantan Selatan. Endapan sedimen di permukaan dasar hanya beberapa sentimeter berwarna coklat kekuningan merupakan indikasi suplai sedimen dari daratan melalui sungai cukup tinggi. Endapan sedimen di dasar perairan sekitar Kalimantan Selatan yang dekat dengan daratan ditemukan endapan lumpur yang encer di permukaan dengan warna coklat dan di lapisan bawahnya lanau lumpuran.

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Suspension and Sedimentation Studies in Java Sea Water. Oceanography study of the Java Sea Water has been done on September 2004. The lowest total suspended solid in the water surface was 0.018 gr/l at the south part of Kalimantan and the highest was 0.053 gr/l at the west part of South Kalimantan. The lowest total suspended solid values in the medium sea level was about 0.023 gr/l at the west part of Pancel and reaches the value of 0.051 gr/l at the west part of South Kalimantan. At the bottom of deep sea level, the lowest total suspended solid value were about 0.022 gr/l at the west by south of South Kalimantan and the highest was found in the west part of South Kalimantan which has the value of 0.051 gr/l. The sediment has a yellowish brown color in the depth of several centimeters which indicates of highly sedimentation supply from the river. Sediment at the bottom of South Kalimantan waters which is located near the land was found more like a mud on the surface and silt on the inside.