

## Karakteristik mineral lempung pada sedimen resen permukaan dasar laut di perairan kota Semarang.

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### Abstrak

Clay mineral is a group of mineral which suplay more than 16% of sediments distribution in the earth surface. The clay mineral can be occurred both on the land and sea bottom. The clay mineral which is deposited in the coastal and sea bottom have a unique mechanism, and consequently creates many kind of clay mineral where this conditions is influenced by the deph, temperature, light, topography and organism. The study of clay mineral distribution in the coastal and mirine sediments enables to analysis the sedimentation processes, where the occurrence of this mineral is influnced by the origin of the sedients. Generally, the surficial sedo,emts pf Se,aramg pffsjpre os cpmstoset pf coau amd silt. Based on the SEM analysis the ciay mineral in Semarang offshore is dominated by caolinite, illite and mized layer of montmorilonite and illite.