

Coastline accretion in Segara Anakan Central Java, Indonesia

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Abstrak

This paper deals with accretion of shoreline around and within Segara Anakan, an inland sea or a brakish water estuary on the SW of Central Java, based on remote sensing data, field observation and ancient maps depicting this area. Coastal accretionary processes display two distinct models: (I) in the east, notrth, and south coast of Segara Anakan the extension takes place as gradual accretion along the existing shoreline and is quickly colonised and stabilished by magrove vegetation and (ii) in Segara Anakan new islands emerge e.g. the Api-Api Karanganyar Island and also are quickly colonised and stabilished by magrove vegetation.