Using Data of Multitemporal Image Satellite to observe and evaluate the area of
Mangrove forest in Pasir putih, Situbondo
(Subject: Tanjung Ketah)

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Abstract

The mangrove area has an important role in keeping the coastal ecosystem conservation, so that, it needs the information that accurate and quick in observing and evaluating the mangrove area in multitemporal as the input of the planning in that conservation. It could be reached by using the remote sensing technology that has capability in manipulating the data so quickly, providing the data in short time, so it could observe and evaluate the change so easy in wide area.

The area of study in this research located in PasirPutih, especially Tanjung Ketah, Situbondo in the interval of time is average 2 year using the data of Image Satellite of Landsat 7 ETM+ at 2000 and 2002 that supported by digital map Bakosurtanal of Scale 1: 25.000.

Processing of image have been done by using the method of supervised classification maximum likelihood, so that, known that have been taken place that change at the mangrove area in Pasir Putih, especially Tanjung Ketah, Situbondo, East Java where undergone decrease of the wide of area from 29.88 Ha at 2000 be 23.31 Ha at 2002.

Keyword: The mangrove area, technology of Remote sensing, multitemporal image Satellite, Supervised Classification