

Land over change detection using remote sensing technique : case study : mss data and mos data over the mangrove forest of tg. karawang

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Abstrak

Two multi-temporal as well as multi-sensor data of LANDSAT MSS (1979) and MOS (1991) were used for Mangrove Forest change detection in Tg. Karawang, West Java. About 13,986 hectare decrease of total volume of the Mangrove Forest were detected for 12 years from 1979 to 1991. Procedures for change detection of vegetated areas employed in this study were detected by post-classification differencing technique. Landsat MSS image was registered to MOS image after the extraction of the test area from the each original image. A land cover classification image of the Landsat MSS in 1979 was produced by the supervised maximum likelihood classification method, another land cover classification image of the MOS Data 1991 was produced by the same method.