**VARIABILITY OF COASTAL WATER PRODUCTIVITY WITHIN THE INDONESIAN REGION REVEALED BY SATELLITE DATA**

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**ABSTRACT**

The observation of coastal water productivity variability within the Indonesian region were conducted by using satellite data of NOAA-AVHRR, SeaWiFs and Aqua MODIS. The investigation was focusing in the region of the coastal area of Java, Lampung Bay and South Kalimantan as representation of the environment diversities of the Indonesian seas. The result shows that seasonal variation in fish productivity has a strong correlation with SSC variability. High fish productivity was well corresponded to high concentration of SSC, and the productivity tended to decrease when the SSC concentration was reduced. High SSC variability in the coastal area of Java and Lampung Bay was governed by the upwelling evidence that induced high nutrient load into the sea surface during the southeast monsoon, while in the northern coastal area of Java and South Kalimantan, it was governed by high precipitation ocurred during the northwest monsoon that is generated by the enhancement of the nutrient load through the rivers and coastal discharge.

***Keywords*** *: Coastal Water Productivity, Indonesian Region, Satellite Data*