

Kajian kondisi terumbu karang untuk pengembangan objek wisata bahari di Pulau Wangi-Wangi, Kabupaten Wakatobi Sulawesi Tenggara = Study of coral reefs for the development of maritime tourism object in Wangi-Wangi Island Southeast Sulawesi Wakatobi

Awaludin Syamsuddin, author

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Abstrak

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ABSTRACT

Coral reef cover has been conducted observations using the Line Intercept Transect (LIT), and methods of Under water Fish Visual Census (UVC) to determine the type of fish Observation of the condition of coral reefs and reef fish is done in shallow water which is 3-6 depth in ten-point observation station. Based on direct observtion, the general condition of coral reef in Wangi-wangi Island is classied into the category from moderate to good. The average peresentage of live coral cover (life form) at the base station to station 10 is 64,61%. Water temperature ranged from 25 until 29oC, Salinity 34-36?, Brightness reaces the bottom; diversity index (H?) ranged from 3,2 to 3,6. Uniformity index (E) at te bottom waters ranged from 0,83 to 0,91. Dominance Index (C) ranged from 0,09 to 0,14. Reef fish diversity index ranged from 2,96 to 3,97, Uniformity index (E) reef fish ranged from 0,55 to 0,97. Valve dominance index (C) ranged from 0,04 to 0,17. Based on the valve of scoring on te whole category, all of the observation stations are include in category S1 which is suitable for beach tourism or nautical tourism like diving or snorkling.

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