

# DIVERSITAS JENIS JENISTERUMBU KARANG KLAS ANTHOZOA DI PERAIRAN PANTAI DESA GELUNG

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Biology

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## ABSTRACT

Beach of Gelung Village Situbondo is one of the Situbondo Residence Beach. This village has slope slightly village with muddy and sandy landscape. Various ridge of rock could be found in this village, especially from Anthozoa Class. In this beach, there still found another bio-life. The destruction is often happened because of natural disaster.

The research aimed to find out the various kind ridge of rock, especially Anthozoa classes existed in the water region of Gelung village beach, what kind of ridge of rock, especially Anthozoa class dominated Gelung village beach and what kind of various ridge of rock, especially Anthozoa class in the beach region of Gelung village Situbondo.

The research used descriptive method. Location and time of the research were done in beach region of Gelung village Panarukan sub-district Situbondo from January 7th to 14th 2008. Population in this research were all Anthozoa classes in beach region of Gelung village with 3 km wide and the samples were Anthozoa class in every observation plot, consisted of 5 transect and each transect contained 10 plot. In this research, data from the observation location was found by three phases: sample location research consideration, sampling phase, sample identification. The  $P_i \log P_i$  result was analyzed by these equations: variability ( $H'$  : - individual of a species/species total  $\Sigma$  where  $P_i : n_i/n$ ), abundance: individual abundance of a  $\Sigma$  observation, relative abundance: species/total of all species abundance x 100%.

The research concluded that Anthozoa classes in Gelung Village Situbondo beach found 12 Anthozoa classes ridge of rock and the highest species was *Acropora humilis* from famili Acroporidae and the lowest species was *Fungia* sp from famili Fungiidia. After analyzing the ridge of rock variability in Gelung village Situbondo beach, they included small category since the variability was less than 1, while the highest abundance was *Acropora nobilis* species and the lowest was *Fungia* sp and *Tracyphyllia geofroyi*.