

RELATIONSHIP BETWEEN ENVIRONMENTAL FACTORS
AND ABUNDANCE AND DISTRIBUTION OF MUSSEL (*Perna viridis* L.)
AT MANDALLE BEACH, SOUTH SULAWESI

Sharifuddin Bin Andy Omar & Farida Gassing Sitepu
Fisheries Department, University of Hasanuddin, Jalan Perintis Kemerdekaan KM.
1Q, Ujung Pandang, 90245 Indonesia

ABSTRACT

The relationship between environmental factors and the abundance of green mussel were studied at Mandalle Beach, South Sulawesi from June to August 1988. A total of 2,728 green mussel spat were attached to collectors. Fauna on the collectors was composed of *Perna viridis* L. 58.34 %, *Crassostrea* 18.75 %, Arcidae 16.61 %, and *Balanus* 8.3 %. The size distribution of all taxa was 1,545 spat with shell length smaller than 4 mm, 829 spat with shell length 4 - 6 mm, and 354 spat with shell length greater than 6 mm. In the study area, temperature ranged between 27.8 °C and 29.5 °C, and the salinity ranged between 28.7 ‰ and 30.8 ‰.