

HORIZONTAL DISTRIBUTION OF GASTROPODS ALONG A THERMAL
GRADIENT, CILEGON COASTAL WATERS, INDONESIA

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ABSTRACT

The horizontal distribution of gastropods was determined along a transect line from the shore in offshore direction. Samples with 6 replicates were taken from 4 stations using a grab sampler. The number of species and abundance of individuals from each station were compared. Furthermore, comparisons of diversity using Shannon-Wiener Index of Diversity and k-dominance curve were made. A total of 27 gastropod genera were found. The number of taxa, abundance, and Shannon-Wiener Index of Diversity were lower at the innermost station close to a thermal discharge outlet of an electric power plant. Dominance curves showed that certain genera of gastropods such as *Cerithium*, *Planaxis*, and *Clypeomorus* dominated at this station.