

ABSTRAK

Penelitian ini berjudul “Karakteristik *Noise* Kapal Perikanan di Perairan Pelabuhan Perikanan Samudera Cilacap”. Sarana transportasi memiliki pengaruh yang besar terhadap suatu perarian terutama pada suara kapal. Suara aktivitas kapal bergantung pada suatu kondisi operasional seperti kecepatan kapal dan jarak kapal. Penelitian ini bertujuan untuk mengetahui hubungan karakteristik *noise* terhadap jarak dan kecepatan kapal di perairan. Metode penelitian ini menggunakan metode observasi. Hasil penelitian menunjukkan intensitas suara tertinggi dimiliki oleh kapal 10 GT, sedangkan frekuensi suara tertinggi dimiliki oleh kapal 3GT. Perbedaan karakteristik suara kapal disebabkan oleh perbedaan bobot dan tipe mesin yang digunakan. Hubungan karakteristik suara kapal dengan jarak dan kecepatan kapal menunjukkan bahwa jarak sangat mempengaruhi karakteristik suara seperti intensitas dan frekuensi.

Kata Kunci : *Karakteristik Suara, Kecepatan, Jarak*



ABSTRACT

This research is entitled "Characteristics of Fishing Vessel Noise in Cilacap Ocean Fishing Port Waters". The means of transportation have a great influence on a waterway, especially on the sound of ships. The sound of ship activity depends on an operational condition such as ship speed and ship distance. This study aims to determine the relationship between the characteristics of noise to the distance and speed of ships in the waters. This research method uses observation method. The results showed that the highest sound intensity was owned by a 10 GT ship, while the highest sound frequency was owned by a 3 GT ship. Differences in ship sound characteristics are caused by differences in weight and the type of engine used. The relationship of ship sound characteristics with distance and ship speed shows that distance greatly affects sound characteristics such as intensity and frequency.

Keyword : Sound Chracteristics, Speed, Distance

