ABSTRAK

Penelitian ini berjudul *Assesment* Daya Tahan Kerang Totok (Polymesoda erosa) Terhadap Berbagai Tingkat Konsentrasi *Crude Oil* Pada Skala Laboratorium. Kerang totok merupakan biota yang populer digunakan untuk mendeteksi pencemaran lingkungan, karena kemampuan nya mengakumulasi bahan pencemar. Tujuan penelitian ini yaitu untuk mengetahui tingkat mortalitas kerang totok pada berbagai tingkat konsentrasi *crude oil* pada skala laboratorium, mengetahui daya tahan kerang totok pada berbagai tingkat konsentrasi *crude oil* pada skala laboratorium, dan mengetahui pengaruh tingkat konsentrasi *crude oil* terhadap mortalitas dan daya tahan kerang totok. Metode yang digunakan dalam penelitian adalah metode eksperimental laboratorium dengan objek penelitian kerang totok yang mendapat perlakuan tingkat konsentrasi *crude oil*. Hasil penelitian menunjukkan bahwa mortalitas kerang totok pada konsentrasi 2000 ppm pada hari ke-12-16 , kerang totok dapat bertahan pada konsentrasi 2000 ppm hingga hari ke-12, dan *crude oil* berpengaruh terhadap mortalitas dan daya tahan kerang totok.

Kata kunci *: Crude oil; Kerang totok; Daya Tahan*

ABSTRACT

This research has a title Assesment of Polymesoda erosa Durability to Various Concentration Levels of Crude Oil in the Laboratory Scale. P. erosa is a popular biota that was used to detect environtment pollution, because of its ability to accumulate pollutant. The purpose of this research was to know the mortality of P. erosa, to know the durability of P. erosa, and to know the effect of various level of crude oil to P. erosa mortality and endurance. The methods that was used in this research was laboratory experimental methods with P. erosa that was given various level of concentration of crude oil treatment as the research object. The result showed that P. erosa have died in the crude oil concentration of 2000 ppm which began at day 12 contamination and reached 100% mortality at day 16 contamination. It was mean that the durability of P. erosa on maximum concentration of 2000 ppm of crude oil. This study also showed that crude oil contamination in the water affected to P. erosa mortality and durability.

Keyword: Crude oil; Polymesoda erosa; Durability