

SPECIES ABUNDANCE OF JELLYFISH IN
KUALA TERENGGANU WATERS

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**SPECIES ABUNDANCE OF JELLYFISH IN KUALA TERENGGANU
WATERS**

By

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**JABATAN SAINS MARIN
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**PENGAKUAN DAN PENGESAHAN
LAPORAN PROJEK PENYELIDIKAN I DAN II**

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

Species Abundance Of Jellyfish In Kuala Terengganu Waters oleh Mohd Afiq Bin Md Razi, No. Matrik UK 10543 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Marin sebagai memenuhi sebahagian daripada keperluan memperolehi ijazah Sarjana Muda Sains (Biologi Marin), Fakulti Pengajian Maritim dan Sains Marin, Universiti Malaysia Terengganu.

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w/w = Wet weight

BD = Bell diameter

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ABSTRACT

Jellyfish are marine invertebrates that classified in the Phylum Cnidaria. This phylum consists of the Class Scyphozoa, Cubozoa dan Hydrozoa. This research aimed to identify the species of jellyfish that occur in the Kuala Terengganu coastal waters. Trawling method was used in this research for five times starting from September 2006 – March 2007. There were three Orders occur in Kuala Terengganu coastal waters that identified as jellyfish from Order Semaestomeae, Rhizostomeae and Cubomedusae. Every Order classified has different morphology. Distributions of jellyfish around the world's ocean were sporadic and seemingly unpredictable in nature. Diversity of jellyfish caught is analyzed by using Shannon-Weiner Index and species evenness. Relationship between wet weight (w/w) and bell diameter (BD) were analyzed according to species caught. For this relationship, it shows significant correlation for species studied in this research. The highest diversity of jellyfish in this project is from the Order Semaestomeae and followed by species from Order Cubomedusae and Rhizostomeae. The diversity of jellyfish was according to seasonal changes.