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Isolation and identification of Vibrio spp. from common Geloina (Polymesoda expansa) from Gong Batu, Setiu, Terengganu / Siti Fatimah Adnan.



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**ISOLATION AND IDENTIFICATION OF *Vibrio* spp. FROM COMMON
GELOINA (*Polymesoda expansa*) FROM GONG BATU, SETIU, TERENGGANU**

SITI FATIMAH BINTI ADNAN

**This project report is submitted in partial fulfillment of the requirement of the
degree of Bachelor of Applied Science (Fisheries)**

**FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE
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ABSTRACT

Twelve isolates were successfully isolated from Common Geloina (*Polymesoda expansa*) at Gong Batu, Setiu, Terengganu. They were identified as *Vibrio alginolyticus* (25 %), *Vibrio harveyi* (16.7 %), *Vibrio parahaemolyticus* (41.7 %), and *Vibrio fluvialis* (16.7 %) by using morphological, biochemical and physiological tests. Isolates were primarily selected based on their color on TCBS agar after 24 hours incubation. The identification also was done using reference isolates from Bergey's Manual and Alsina's Keys. Moreover, numerical analysis was done to get percentage of similarity among isolates as well as similarity isolates forming dendrogram among the isolates. Results indicated a significant presence of potentially pathogenic of *Vibrio* species along Terengganu and it shows that Common Geloina (*Polymesoda expansa*) as important carrier of *Vibrio* species.