

BEHAVIOR AND DISTRIBUTION STUDY OF THE TWO
MOLLUSKS, (Nerita spp. and Nassarius spp.)
ON A SHELTERED ROCKY SHORE AT PULAU KAPAS.

ABDUL RAZAK BIN LATUN

FACULTY OF FISHERIES AND MARINE SCIENCE
UNIVERSITI PERTANIAN MALAYSIA
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and *Nassarius* spp.) on a sheltered rocky shore at Pulau Kapas /
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TO
MY DEAR PARENT , BROTHERS , SISTERS
AND YOU .

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UNIVERSITI PERTANIAN MALAYSIA

BEHAVIOR AND DISTRIBUTION STUDY OF THE TWO
MOLLUSKS, (Nerita spp. and Nassarius spp.)
ON A SHELTERED ROCKY SHORE AT PULAU KAPAS.

The undersigned certify that they have read and they
recommend to the Faculty of Fisheries and Marine Science,
for acceptance, a research project entitled,

BY
ABDUL RAZAK BIN LATUN
Behavior and Distribution Study of the two
mollusks, (Nerita spp. and Nassarius spp.)
on a sheltered rocky shore at Pulau Kapas.

A project report submitted in partial fulfillment of
the requirement for the Degree of Bachelor of Science
(Fisheries) .

Supervisor

FACULTY OF FISHERIES AND MARINE SCIENCE
UNIVERSITI PERTANIAN MALAYSIA

Fakulti Pertanian & Sains Laut
Universiti Pertanian Malaysia
Chairman of the Research

Committee

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UNIVERSITI PERTANIAN MALAYSIA
FACULTY OF FISHERIES AND MARINE SCIENCE

Acknowledgement

Approval sheet

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Submitted by Abdul Razak Bin Latun , in partial fulfillment of the requirement for the degree of Bachelor of Science (Fisheries) .

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Universiti Pertanian Malaysia.
Chairman of the Research

Committee .

Date : 5 / 4 / 83
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Abstract

Abstract

The distribution and behavior of Nassarius spp. and Nerita spp. on the rocky shore at Pulau Kapas were studied. Nine stations were selected at random for the purpose of the study. The distribution of these gastropods (Nerita spp. and Nassarius spp.) is governed by their feeding habits. Nassarius spp. stay inactive during the low tide period and is active during the high tide period such that Nassarius spp. tend to be found higher up the shore. Nerita spp. which is inactive during the high tide period become very active at low tide. Neritas tend to be abundant at the lower levels of the shore during low tide, these Neritas grazed on algae that grow on the surface of rocks. Nassarius spp. which is a scavenger, started to feed on algae and other food particles during the high tide period. This study revealed that both Nerita spp. and Nassarius spp. do not have homing behavior. Under laboratory condition, Nassarius spp. was found to be photonegative and Nerita spp. photopositive.

Abstrak

Satu kajian tentang tabiat dan taburan siput-siput Nassarius spp. dan Nerita spp. telah dijalankan di Pulau Kapas. Bagi tujuan kajian ini, 9 buah stesen telah dipilih secara rawak. Kawasan-kawasan kajian ini merupakan pantai berbatu-batan. Hasil kajian menunjukkan yang taburan siput-siput ini bergantung pada tabiat pemakanan siput-siput tersebut. Nassarius spp. tidak aktif semasa air surut tapi menjadi aktif bila air pasang dan bila berada di dalam air, dengan ini Nassarius spp. lebih kerap dijumpai di paras atas pantai. Nerita spp. aktif semasa air surut dan tidak semasa air pasang. Nerita spp. lebih kerap terdapat di gigi air bila air surut, pada masa inilah Nerita spp. akan memakan lumut-lumut yang terdapat pada batu-batu. Nassarius spp. akan memakan lumut atau apa saja bahan makanan semasa air pasang. Daripada kajian ini, didapati Nassarius spp. dan Nerita spp. tidak ada tabiat untuk pulang ke satu-satu kawasan tertentu (kedua-dua siput-siput ini tidak mempunyai "homing site"). Dalam kajian yang dijalankan di makmal didapati Nassarius spp. adalah fotonegatif dan Nerita spp. fotopositif .