

FRUIT AND VEGETABLE SELECTION BY
THE FARMER
(*First Impression of the Farmer, 1890*)

THE FARMER

FRUIT AND VEGETABLE SELECTION BY

THE FARMER

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PRELIMINARY STUDY ON HOST SELECTION BY
CAPTIVE BRED FALSE-CLOWNFISH
(*Amphiprion ocellaris*, Cuvier, 1830)

By

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Research Report submitted in partial fulfillment of
The requirements of the degree of
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Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

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ABSTRACT

Amphiprion sp represent the largest complex of anemonefish with approximately 28 species distributing all over the Indo-West Pacific region. *Amphiprion* species is one of the most popular marine ornamental fish among the aquarists. The high demand in the market resulted rapid declination of *Amphiprion* in natural habitat. This study was carried to investigate the association of clownfish and its sea anemone species at Pulau Bidong; to study the host preference by captive bred *A. ocellaris* and determine the time taken for the fish to select a host in captivity in different distances. There were three species of *Amphiprion* and sea anemones found in Pulau Bidong's water. The observations supported the results of the existing studies on *Amphiprion* and the symbiont anemone species. Captive bred *A. ocellaris* did not select all substrates as a host ($P < 0.05$) and they have to ability to symbiont with *E. quadricolor* which is not the natural host. The time taken for the captive bred *A. ocellaris* to reach its host in different distance were not significantly different ($P > 0.05$). This shows that the fish has the ability to recognize the host when relocated to a certain distance. However, the finding is still preliminary and captive bred fish ability to survive in natural environment which differ from the enclosed system still required further investigation.