

FEEDING MANAGEMENT OF RICE QUALITY  
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CULTURE OF ... AND FOOD SCIENCE  
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FEEDING PREFERENCES OF FALSE CLOWNFISH (*Amphiprion ocellaris*)  
BROODSTOCK WITH DIFFERENT FRESH MEAL IN CAPTIVITY

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## ABSTRACT

False clownfish *Amphiprion ocellaris* were collected from Bidong Island Terengganu and kept in captivity in KUSTEM marine hatchery. The purpose of this study was to observe the feeding preferences and estimate the specific growth rate (SGR) and feeding consumption. Four different diets were given, there are clam, shrimp, squid and pellet for two weeks period. The results show that shrimp diet gave the highest specific growth rate (SGR) of  $0.290\% \pm 0.03$ , while pellet diet gave the lowest result with  $-0.207\% \pm 0.04$ . For squid and clam, SGR was  $0.141\% \pm 0.02$  and  $0.109\% \pm 0.03$  respectively. However this rate show significant different ( $p < 0.05$ ). For the feeding consumption, clam diet show the highest result with  $16.12 \pm 4.72$  follow by squid  $11.66 \pm 0.11$ , shrimp  $7.86 \pm 0.00$  and pellet show the lowest with  $6.75 \pm 1.09$ . It can be concluded that shrimp diet is the most suitable choice for False clownfish even though that the feeding consumption is less compare with clam diet and squid diet but False clownfish fed with shrimp show the highest specific growth rate (SGR). Pellet diet is the unsuitable choice for False clownfish because the feeding consumption and specific growth rate (SGR) show the low result.

## ABSTRAK

False clownfish *Amphiprion ocellaris* diperolehi dari Pulau Bidong Terengganu dan diperlihara dalam akuarium di pusat penternakan KUSTEM. Tujuan kajian ini adalah untuk mengkaji kesan jenis makanan ke atas kadar pertumbuhan dan kadar pemakanan False clownfish. Empat jenis makanan yang digunakan iaitu kerang, sotong, udang dan pelet untuk jangka masa dua minggu. Hasil daripada kajian yang dilakukan menunjuk kadar tumbesaran spesifik yang paling tinggi dicatatkan oleh makanan udang iaitu  $0.290\% \pm 0.03$ , manakala pemberian makanan pelet mencatatkan keputusan yang paling rendah iaitu  $-0.207\% \pm 0.04$ . Bagi pemberian makanan sotong dan kerang mencatatkan  $0.141\% \pm 0.02$  dan  $0.109\% \pm 0.03$ . Walaubagaimanapun, kadar ini menunjukkan terdapat perbezaan bererti ( $p < 0.05$ ). Bagi kadar pemakanan pula, makanan kerang dicatatkan yang paling tinggi iaitu  $16.12 \pm 4.72$  diikuti dengan sotong  $11.66 \pm 0.11$ , udang  $7.86 \pm 0.00$  dan pelet paling rendah iaitu  $6.75 \pm 1.09$ . Secara kesimpulannya, udang adalah pilihan yang terbaik bagi False clownfish walaupun kadar pemakanan bagi udang adalah rendah berbanding dengan kerang dan sotong, tetapi ia memberi kadar tumbesaran spesifik yang paling tinggi. Pelet adalah tidak sesuai menjadi makanan kepada False clownfish disebabkan menunjuk kadar pemakanan dan kadar tumbesaran spesifik yang paling rendah.