PERFORMA PENAMBAHAN SERBUK TEMULAWAK PADA PAKAN KOMERSIL TERHADAP LAJU PERTUMBUHAN BENIH *CLOWNFISH* BIAK (*Amphiprion percula*)

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ABSTRAK

Clownfish biak (*Amphiprion percula*) merupakan salah satu ikan hias laut yang memiliki nilai ekonomi tinggi, baik di pasar domestik maupun international, Ketersediaan benih menjadi faktor penting dalam budidaya *clownfish*. Nafsu makan ikan yang kurang menjadi kendala dalam budidaya yang berdampak pada pertumbuhan benih *clownfish,* dibutuhkan pakan yang baik dan optimal bagi pertumbuhan benih *clownfish*. Temulawak (*Curcuma xanthorrhiza*) berfungsi untuk meningkatkan nafsu makan, temulawak mengandung minyak atsiri dan curcumin sebagai karminativum, temulawak berfungsi sebagai anti bakteri dan anti oksidan. Penelitian ini bertujuan untuk mengetahui performa penambahan serbuk temulawak terhada laju pertumbuhan benih *clownfish* serta dosis terbaik yang dapat diberikan. Penelitian ini dilkukan dengan metode eksperimen dengan Rancangan Acak Lengkap berupa 4 perlakuan dosis temulawak P0 (Kontrol), P1 (5,5 gr/200 gr NRD), P2 (6,5 gr/ 200 gr NRD), dan P3 (7,5 gr/200 gr NRD) dengan 3 kali ulangan. Benih *clownfish* ditebar secara acak kedalan 12 akuarium dengan kepadatan 5 ekor tiap akuarium dan ikan dipelihara selama 60 hari. Analisis data dilakuakan dengan menggunakan *One Way* ANOVA**.** Hasil penelitian menunjukkan bahwa pertumbuhan benih *clownfish* tidak berbeda nyata antar satu perlakuan namun perlakuan dosis berbeda nyata terhadap kontrol, perlakuan 2 menjadi perlakuan dosis terbaik dan tingkat kelulushidupan benih *clownfish* pada penelitian ini 100%.

Kata kunci : Benih, *clownfish*, temulawak, nafsu makan, pertumbuhan.

THE EFFECT OF ADDING CURCUMA POWDER TO COMERCIAL FEED ON THE GROWTH RATE OF CLOWNFISH BIAK (Amphiprion percula)

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ABSTRACT

Clownfish biak (Amphiprion percula) is one of the marine ornamental fish that has high economic value, both in the domestic and international markets. Seed availability is an important factor in clownfish farming. The fish's poor appetite is an obstacle in farming that affects the growth of clownfish seeds. Good and optimal feed is needed for the growth of clownfish seeds. Temulawak (Curcuma xanthorrhiza) serves to increase appetite. Temulawak contains essential oils and curcumin as a carminative. Temulawak also functions as an antibacterial and antioxidant. This study aims to determine the performance of adding temulawak powder to the growth rate of clownfish fry and the best dosage that can be given. This study was conducted using an experimental method with a completely randomized design consisting of 4 temulawak dosage treatments: P0 (Control), P1 (5.5 g/200 g NRD), P2 (6.5 g/200 g NRD), and P3 (7.5 g/200 g NRD) with 3 replicates. Clownfish fry were randomly distributed into 12 aquariums with a density of 5 fish per aquarium and the fish were kept for 60 days. Data analysis was performed using One Way ANOVA. The results showed that there was no significant difference in clownfish fry growth between treatments, but there was a significant difference between treatments and the control. Treatment 2 was the best treatment, and the survival rate of clownfish fry in this study was 100%.

Keywords*: Seeds, clownfish, temulawak, appetite, growth*