

Muhammad Ma'sum Sholahuddin. NPM 220351100051. PENGARUH FORMULASI PAKAN YANG BERBEDA TERHADAP PERTUMBUHAN IKAN LELE MUTIARA (*Clarias gariepinus*) DI POKDAKAN AJI GUNUNG KABUPATEN SAMPANG. Dibawah Bimbingan Dr. Indah Wahyuni Abida., S.Pi., M.Si.

ABSTRAK

Ikan lele (*Clarias gariepinus*) merupakan komoditas air tawar bernilai ekonomis tinggi karena harganya terjangkau dan mudah dibudidayakan. Salah satu faktor penentu keberhasilan budidaya adalah ketersediaan pakan, namun tingginya harga pakan komersial sering menjadi kendala bagi pembudidaya, sehingga diperlukan alternatif pakan dengan biaya lebih rendah tanpa mengurangi kualitas nutrisi. Penelitian ini bertujuan mengetahui pengaruh formulasi pakan yang berbeda terhadap pertumbuhan, kelangsungan hidup (SR/*Survival Rate*), dan rasio konversi pakan (FCR/*Feed Conversion Ratio*) ikan lele mutiara. Metode yang digunakan adalah deskriptif kuantitatif dengan 3 perlakuan: pakan komersial sebagai kontrol (A), pakan berbahan ikan rucah (B), dan pakan berbahan kepala ayam (C). Pengukuran pertumbuhan dilakukan setiap minggu selama 2 bulan pemeliharaan. Pakan diberikan dua kali sehari sebanyak 3–5% biomassa. Hasil penelitian menunjukkan bahwa formulasi pakan berpengaruh terhadap performa ikan. Pada pakan formulasi ikan rucah (B) memberikan hasil terbaik dengan SR 63.18%, SGR 0.074%, ADG 0.9 g/hari, dan FCR 1.09, sedangkan pada formulasi kepala ayam (C) menghasilkan SR 71.15%, SGR 0.031%, ADG 0.7 g/hari, dan FCR 0.52. Pada pakan komersial (A) menunjukkan performa terendah pada nilai SR 41.06% dan FCR 0.44 dan nilai tertinggi di SGR 0.034% dan ADG 2.0 g/hari. Perlu secara rutin dilakukan sortir dan pemeliharaan berdasarkan ukuran untuk mengurangi kanibalisme.

Kata kunci: Pertumbuhan, Formulasi Pakan, FCR, SR, *Clarias gariepinus*

Muhammad Msa'sum Sholahuddin. NPM 220351100051. THE EFFECT OF DIFFERENT FEED FORMULATIONS ON THE GROWTH OF PEARL CATFISH (*Clarias gariepinus*) IN THE AJI GUNUNG FISHING SOCIETY, SAMPANG REGENCY. Under the guidance of **Dr. Indah Wahyuni Abida., S.Pi., M.Si**

ABSTRACT

Catfish (*Clarias gariepinus*) is a freshwater commodity with high economic value because it is affordable and easy to cultivate. One of the determining factors for successful cultivation is the availability of feed, but the high price of commercial feed is often an obstacle for farmers, so alternative feeds with lower costs are needed without reducing nutritional quality. This study aims to determine the effect of different feed formulations on the growth, survival rate (SR), and feed conversion ratio (FCR) of pearl catfish. The method used is descriptive quantitative with 3 treatments: commercial feed as a control (A), feed made from trash fish (B), and feed made from chicken heads (C). Growth measurements were carried out every week for 2 months of cultivation. Feed was given twice a day at 3–5% of biomass. The results showed that feed formulations affected fish performance. The trash fish formulation (B) gave the best results with SR 63.18%, SGR 0.074%, ADG 0.9 g/day, and FCR 1.09, while the chicken head formulation (C) produced SR 71.15%, SGR 0.031%, ADG 0.7 g/day, and FCR 0.52. The commercial feed (A) showed the lowest performance at SR 41.06% and FCR 0.44 and the highest value at SGR 0.034% and ADG 2.0 g/day. Routine sorting and maintenance based on size are necessary to reduce cannibalism.

Keywords: *Growth, Feed Formulation, FCR, SR, Clarias gariepinus*