

**THE EFFECT OF FEED COMBINATION WITH FLOUR OF *AVICENNIA MARINA* LEAVES ON *OREOCHROMIS AUREUS X NILOTICUS* GROWTH**

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**ABSTRACT**

*Avicennia marina* have been known for a long time by the community because of the many benefits they have and are commonly used as medicines, fuelwood or construction of house buildings, and also animal feed. Production of tilapia srikandi is currently being developed to increase fisheries production cultivation, tilapia srikandi (*Oreochromis aureus x niloticus*) has many advantages including fast to growth, disease resistance and tolerance to the environment. The purpose of this study was to determine the effect of artificial feed with the the addition of formulation from different *Avicennia marina* leaves to the growth of srikandi tilapia (*Oreochromis aureus x niloticus*). This study was conducted using a completely randomized design (CRD), with 3 treatments 3 replications and using 10 fish in each replication treatment. Treatment of A: 100% artificial feed, Treatment B: 25% artificial feed + 75% flour of *Avicennia marina* leaves, Treatment C: 50% artificial feed + 50% flour of *Avicennia marina* leaves, Treatment D: 75% artificial feed + 25% flour of *Avicennia marina* leaves. The results of this study indicate that the treatment of the effect of the combination of artificial feed with flour of *Avicennia marina* leaves on the growth of srikandi tilapia (*Oreochromis aureus x niloticus*). The variable of daily growth rate and survival variable get the best results in treatment C (50% artificial feed + 50% flour of *Avicennia marina* leaves), in the long variable absolute get the best results on treatment D (75% artificial feed + 25% flour of *Avicennia marina* leaves ), variable of absolute weight and FCR variable get the best results in treatment A (100% artificial feed).

key words: srikandi tilapia, flour of *Avicennia marina*, artificial feed, growth, nutrition.

**PENGARUH KOMBINASI PAKAN BUATAN DENGAN TEPUNG DAUN  
MANGROVE API – API (*Avicennia marina*) TERHADAP PERTUMBUHAN IKAN  
NILA SRIKANDI (*Oreochromis aureus x niloticus*).**

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**RINGKASAN**

Mangrove api-api (*Avicennia marina*) telah dikenal sejak dulu oleh masyarakat karena banyaknya manfaat yang dimilikinya, dan biasa dimanfaatkan sebagai obat – obatan, kayu bakar dan konstruksi bangunan rumah, pakan hewan. Produksi ikan nila srikandi saat ini terus dikembangkan guna meningkatkan produksi perikanan budidaya, ikan nila srikandi (*Oreochromis aureus x niloticus*) mempunyai banyak keunggulan antara lain pertumbuhan cepat, tahan penyakit serta toleran terhadap lingkungan. Tujuan penelitian ini adalah mengetahui pengaruh pemberian pakan buatan dengan formulasi penambahan tepung daun mangrove api-api yang berbeda terhadap pertumbuhan pada ikan nila srikandi (*Oreochromis aureus x niloticus*). Penelitian ini dilakukan menggunakan rancangan acak lengkap (RAL), dengan 3 perlakuan 3 kali ulangan dan menggunakan 10 ekor ikan pada setiap ulangan perlakuan. Perlakuan A 100% pakan buatan, Perlakuan B : 25% pakan buatan + tepung daun mangrove api-api 75%, Perlakuan C : 50% pakan buatan + tepung daun mangrove api-api 50%, Perlakuan D : 75% pakan buatan + tepung daun mangrove api-api 25%. Hasil penelitian ini menunjukkan bahwa pemberian perlakuan Pengaruh kombinasi pakan buatan dengan tepung daun mangrove api – api (*Avicennia marina*) terhadap pertumbuhan ikan nila srikandi (*Oreochromis aureus x niloticus*). variabel laju pertumbuhan harian dan variabel kelangsungan hidup di dapatkan hasil yang terbaik pada perlakuan C ( 50% pakan buatan + 50% tepung daun mangrove api-api), pada variabel panjang mutlak di dapatkan hasil terbaik pada perlakuan D (75% pakan buatan + tepung daun mangrove api-api 25%), variabel bobot mutlak dan variabel FCR di dapatkan hasil terbaik pada perlakuan A (100% Pakan buatan).

**kata kunci** : nila srikandi, tepung daun mangrove api - api, pakan buatan, pertumbuhan, nutrisi.