

THE EFFECT OF 17 α - METHYLTESTOSTERONE ON SEX
REVERSAL OF THE RED TILAPIA, *Oreochromis sp*
AND ITS IMPLICATION IN TILAPIA PRODUCTION

BY

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Emak dan Bapak

Apa yang kau hajati telah ku capai

Untuk adik-adik

Ikutlah jejak langkah ku

Untuk Ahmad Nizam

Pemergian mu ku rasai

.... Bersama-samalah kecapai kejayaan ku

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ABSTRACT

17 α - methyltestosterone, administered orally to sexually undifferentiated red tilapia fry, *Oreochromis* sp., at a dose of 30 and 60 $\mu\text{g gm}^{-1}$ of feed and over a 20- and 30-day treatment period successfully produced a 82-95% male population.

Hormone-treatment did not affect the survival and growth of the fry significantly.

The significance of this to the enhancement of tilapia production is discussed.

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ABSTRAK

17 α -meteltestosteron yang dirawat secara oral kepada tilapia merah, *Oreochromis* sp. yang belum mengalami pembahagian seks pada kepekatan 30 dan 60 $\mu\text{g gm}^{-1}$ makanan dan selama 20 dan 30 hari jangkamasa rawatan, telah berjaya mengeluarkan 82-95% populasi jantan.

Rawatan hormon tidak memberi kesan kepada kemandirian dan pertumbuhan rega-rega ikan secara keertian.

Keputusan kajian ini untuk menggalakkan pengeluaran tilapia dibincangan.

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