

A COMPARISON OF EFFECTIVENESS BETWEEN BAITED AND
UNBAITED POTS TOWARDS FISH SPECIES IN
SUNGAI PETANG, LAKE KENYIR,
TERENGGANU

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A comparison of effectiveness between baited and unbaited pots towards fish species in Sungai Petang, Lake Kenyir, Terengganu / Lawrance Onong.

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**A COMPARISON OF EFFECTIVENESS BETWEEN BAITED AND
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SUNGAI PETANG, LAKE KENYIR,
TERENGGANU**

**By
LAWRANCE ONONG**

**This project report is submitted in partial fulfillment of the
requirements for the degree of Bachelor of Fisheries Science.**

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ABSTRACT

A total of nine pots were used in a comparison study on the effectiveness of catch using baited and unbaited approach was conducted at Sungai Petang, Lake Kenyir, Terengganu. Five sampling operations were carried out with a submergence period between 16 –20 hours. The pots were set in 3 cluster where each cluster consisted of 3 pots representing chicken entrails, fish bait and unbaited.

A total of 126 fishes were obtained in this study. Two main species that were identified are *Mystus nemurus* and *Mystus baramensis*. Overall, *Mystus nemurus* was the dominant species with a total catch of 96 fishes (79.19 %) while the remaining 30 are *Mystus baramensis*. The studies on bait effectiveness of catch yield showed that chicken entrails were more efficient than other baits. All species that were caught also showed a higher yield with chicken entrails at 78 fishes representing 61.9% of the total catch. The effectiveness of other baits did not show significant differences of catch. Nonetheless, it was found that catch yield for unbaited pot was much lower compared with fish bait. This study also found that there is a positive correlation between depth range of pot with catch yield.

ABSTRAK

Kajian perbandingan keberkesanan bubu berumpan dan tidak berumpan pada 9 buah bubu telah dijalankan di Sungai Petang, Tasik Kenyir, Terengganu. 5 operasi pensampelan telah dijalankan dengan julat rendaman selama 16 – 20 jam. Bubu direndam dalam 3 rangkaian dimana setiap rangkaian terdiri daripada 3 buah bubu yang mengandungi; bubu berumpan perut ayam, umpan ikan dan tanpa umpan.

Daripada kajian yang telah dijalankan, jumlah tangkapan yang diperolehi adalah sebanyak 126 ekor. Sebanyak 2 spesies utama telah berjaya ditangkap dan dikenalpasti iaitu *Mystus nemurus* dan *Mystus baramensis*. Secara keseluruhan *Mystus nemurus* merupakan spesies dominan dengan jumlah tangkapan sebanyak 96 ekor (79.19%) manakala 30 ekor adalah *Mystus baramensis*. Kajian ke atas keberkesanan umpan terhadap hasil tangkapan menunjukkan bubu berumpan perut ayam adalah lebih efektif berbanding dengan bubu berumpan ikan dan tanpa umpan. Kesemua spesies yang ditangkap juga menunjukkan jumlah tangkapan yang lebih tinggi pada bubu berumpan perut ayam iaitu sebanyak 78 ekor mewakili 61.9 % daripada keseluruhan hasil tangkapan. Keberkesanan bubu berumpan ikan dan tanpa umpan pula tidak menunjukkan perbezaan yang jelas dari segi tangkapan. Namun secara keseluruhan, didapati hasil tangkapan bubu tidak berumpan adalah lebih rendah daripada bubu berumpan ikan. Kajian ini juga mendapati bahawa julat kedalaman bubu mempengaruhi hasil tangkapan.