



مرکز بررسی‌ها و مطالعات دریایی

سازمان بنادر و دریانوردی به عنوان تنها مرجع حاکمیتی کشور در امور بندری، دریایی و کشتی‌رانی بازرگانی به منظور ایفای نقش مرجعیت دانشی خود و در راستای تحقق راهبردهای کلان نقشه جامع علمی کشور مبنی بر "حمایت از توسعه شبکه‌های تحقیقاتی و تسهیل انتقال و انتشار دانش و سامان‌دهی علمی" از طریق "استانداردسازی و اصلاح فرایندهای تولید، ثبت، داوری و سنجش و ایجاد بانک‌های اطلاعاتی یکپارچه برای نشریات، اختراعات و اکتشافات پژوهشگران"، اقدام به ارایه این اثر در سایت SID می‌نماید.



سازمان بنادر و دریانوردی



A study on Biological aspects of *Coryphaena hippurus* Concerning Its Futures culture In Oman sea and Southern Coastal Water .

Mehran Yasemi

Bahram Falahatkar

Ministry of Jahad Sazandegi

Ministry of Jahad Sazandegi

Abstract

In this study , sampling from three main fishing areas in Oman sea had been taken place from september 1995 to August 1996 and in total 273 corphaena hippurus biologically were anatomized .

*The length of the smallest fish were measured as long as 30 cm and the longest up to 128 cm. By observing the stomach *Coryphaena hippurus* , we found out the maximum frequencies of different raid of fishes were 49.6% and the lowest amount were about 2.3% i.e . Squied . Next frequencies were cattle-fish and squied . Furthermore , *Coryphaena hippurus* feed from mussel and fish .*

Presence of gonad at stages of 4 and 5 maturation in both sexes throughout the year , indicating the length duration of spawning in specially from August to March . the lowest rate of fatness in male sexes are 0.72 and the maximum rate is 1.9 and the same rate in female sexes are 0.68 and 1.2.

*The relation between the length and weight in both the sexes indicate that *Coryphaena hippurus* in coastal water of Oman sea has isometric growth . The time duration of *Coryphaena hippurus* aquacultue is quite suitable in coastal water of Oman sea.*