

**STUDY ON SOME CHARACTERISTICS OF REPRODUCTIVE
BIOLOGY OF FOUR-LINE TRUMPETER *Pelates quadrilineatus*
(Bloch, 1790) IN THUA THIEN - HUE PROVINCE**

**Ngo Huu Toan, Le Van Dan, Le Thi Thu An,
Tran Nguyen Ngoc, Nguyen Tu Minh**

Summary

Study on Reproductive Biology of Four-line Trumpeter to provide fundamental information for artificial propagation of this species and to provide a basis for proposing solutions due to the conservation and development of four-line Trumpeter purposes. The study was conducted in Tam Giang - Cau Hai lagoon in Thua Thien - Hue province in 2017 with the following contents: i) male and female rates by age group; ii) gonad development; iii) relationship between time and sex of fish; iv) absolute and relative fecundity of the fish; and v) developmental characteristics of male and female sex cells. The results shown that four-line Trumpeter spawned from february to september, but concentrately spawning in april-august; A year-old Fish were ready for sprawning. Absolute fecundity of the four-line Trumpeter ranged from 21,420 to 37,413 oocytes while Relative fecundity was 983 oocytes/gr of body weight in average.

Keywords: *Marine fish, Four-line Trumpeter, Pelates quadrilineatus, Fish Artificial Fecundity, Thua Thien - Hue lagoon.*