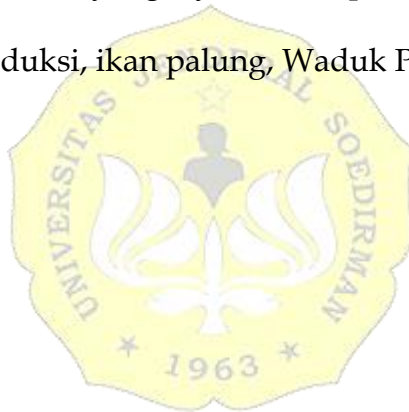


## ABSTRAK

Penelitian ini berjudul “Aspek Reproduksi Spesies Asli Ikan Palung (*Hampala macrolepidota* C.V. 1823) Di Waduk PB. Soedirman Banjarnegara, Jawa Tengah” telah dilakukan. Penelitian ini bertujuan untuk mengetahui aspek reproduksi meliputi rasio kelamin, indeks gonado somatik, ukuran pertama kali matang gonad, fekunditas dan diameter telur ikan palung di Waduk PB. Soedirman Banjarnegara, Jawa Tengah. Penelitian ini pengambilan sampel 3 kali sampling pada bulan November 2020 dan April, Juni 2021. Alat tangkap penelitian ini adalah *gill net* panjang 30 m, lebar 3 m. Jumlah ikan hasil tangkapan sebanyak 36 ekor dengan jantan 32 ekor dan betina 4 ekor. Rasio kelamin ikan palung 8 : 1, yang berarti tidak seimbang. IGS ikan palung jantan (0,01 - 1,54%) lebih rendah dibanding palung betina (0,02 - 13,91%). Ukuran pertama kali matang gonad ikan palung jantan (24,83 cm) lebih pendek dibanding palung betina (29,78 cm). Fekunditas bulan April 2021 ikan berukuran panjang 20,7 cm, berat 142 g yaitu 30.612 butir. Diameter telur berkisar 0,715 - 1,128 mm dan hanya ditemukan bulan April 2021. Kualitas air di waduk masih dalam kisaran yang layak untuk pertumbuhan ikan palung.

**Kata Kunci :** aspek reproduksi, ikan palung, Waduk PB. Soedirman



## ABSTRACT

The study entitled “Reproductive Aspects of Native Species of Hampala barb (*Hampala macrolepidota* C.V. 1823) in PB. Soedirman Reservoir Banjarnegara, Central Java” has been done. This study aims to determine reproductive reproduction including sex ratio, somatic gonad index, first gonad maturity size, fecundity and egg diameter of hampala barb in PB. Soedirman Reservoir Banjarnegara, Central Java. This study took 3 samples in November 2020 and April, June 2021. The fishing gear in this research is a gill net with a length of 30 m, a width of 3 m. The number of catches was 36 with 32 males and 4 females. The sex ratio of hampala barb is 8:1, which is unbalanced. The IGS of male hampala barb (0.01 - 1.54%) was lower than that of female hampala barb (0.02 - 13.91%). The size of the first maturity of the male hampala barb (24.83 cm) was shorter than that of the female hampala barb (29.78 cm). Fecundity in April 2021 fish measuring 20.7 cm long, weighing 142 g, which is 30.612 grains. The diameter of the eggs ranged from 0.715 - 1.128 mm and was only found in April 2021. The water quality was still in a suitable range for the growth of hampala barb.

**Keywords** : reproduction aspects, hampala barb, PB. Soedirman Reservoir

