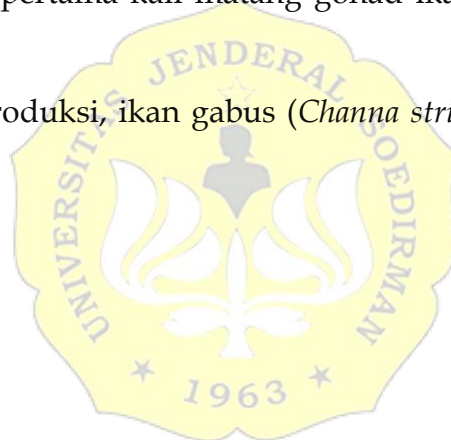


ABSTRAK

Ikan gabus (*Channa striata* Bloch, 1793) sangat dikenal di Indonesia karena sering dikonsumsi oleh masyarakat. Tingginya permintaan ikan gabus, menjadikan nelayan sering melakukan penangkapan. Oleh karena itu, perlu dilakukan pengelolaan berdasarkan informasi dari aspek biologi, salah satunya mengenai reproduksi. Penelitian ini bertujuan untuk mengetahui aspek reproduksi meliputi nisbah kelamin, tingkat kematangan gonad (TKG), indeks gonadosomatik (IGS), fekunditas, diameter telur dan ukuran pertama kali matang gonad ikan gabus di Waduk PB Soedirman, Banjarnegara. Penelitian dilakukan pada bulan November 2020 – Juni 2021. Metode penelitian yang digunakan adalah metode survei. Pengambilan data primer dilakukan dengan teknik *purposive random sampling*. Sampel ikan gabus yang didapatkan selama penelitian sebanyak 64 ekor. Nisbah kelamin selama penelitian 1:0,37. Tingkat kematangan gonad pada ikan gabus jantan I-II, sedangkan ikan gabus betina berada pada TKG I-IV. Nilai IGS jantan 0,003-0,62% dan IGS betina 0,04-2,60%. Nilai fekunditas berkisar 275-22.722 butir telur dengan kisaran diameter telur 0,08-1,51 mm. Ukuran pertama kali matang gonad ikan gabus betina yaitu 33 cm.

Kata kunci: aspek reproduksi, ikan gabus (*Channa striata* Bloch, 1793), Waduk PB. Soedirman



ABSTRACT

Snakehead fish (*Channa striata* Bloch, 1793) very well known in Indonesia because it is often consumed by the public. The high demand for snakehead fish makes fishermen often catch them. Therefore, it is necessary to do management based on information from the biological aspect, one of which is about reproduction. This research aims to knowing the reproductive aspects including sex ratio, gonadal maturity stage, gonado somatic index (GSI), fecundity, egg diameter and size at first maturity of snakehead fish in PB Soedirman Reservoir, Banjarnegara. The research was conducted in November 2020 – June 2021. The research method used was a survey method. Primary data collection was done by purposive random sampling technique. Snakehead fish samples obtained during the study were 64 fish. Sex ratio during the study 1:0.37. The gonado maturity stage obtained for male snakehead fish is at stage I-II, while female snakehead fish is at stage I-IV. The male GSI value is 0.003-0,62% and female GSI 0.04-2.60%. Fecundity values ranged from 275-22,722 eggs with an egg diameter range of 0.08-1.51 mm. The size of the female snakehead fish gonad at first maturity is 33 cm.

Keywords: reproductive aspect, snakehead fish (*Channa striata* Bloch, 1793), PB. Soedirman Reservoir

