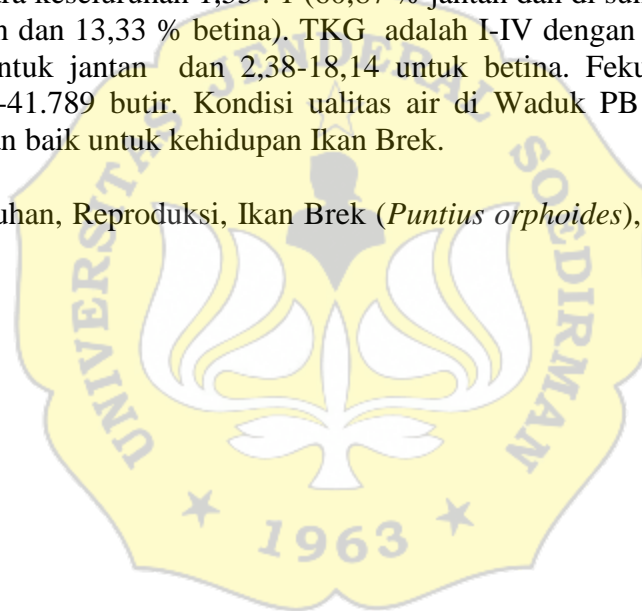


ABSTRAK

Penelitian ini bertujuan untuk mengetahui pertumbuhan dan reproduksi ikan bek (*Puntius orphoides*) di Waduk PB Soedirman, Banjarnegara dan Sungai Klawing, Purbalingga. Aspek pertumbuhan meliputi hubungan panjang berat dan faktor kondisi. Aspek reproduksi meliputi rasio kelamin, Tingkat Kematangan Gonad (TKG), Indeks Kematangan Gonad (IKG) dan fekunditas. Penelitian di Waduk PB Soedirman dilakukan bulan Oktober dan November 2017, sedangkan di Sungai Klawing dilakukan bulan Juni dan Juli 2018. Sampel Ikan Brek yang diperoleh selama penelitian berjumlah 76 ekor dengan total 46 ekor tertangkap di Waduk PB Soedirman Banjarnegara dan sebanyak 30 ekor tertangkap di Sungai Klawing Purbalingga. Pola pertumbuhan Ikan Brek di waduk bersifat isometrik sedangkan di sungai bersifat isometrik dan allometrik negatif. Faktor kondisi Ikan Brek di waduk dan sungai berkisar 0,99-1,17. Rasio kelamin di waduk secara keseluruhan 1,55 : 1 (60,87 % jantan dan di sungai 39,13 % betina) dan 6,5 : 1 (86,67 % jantan dan 13,33 % betina). TKG adalah I-IV dengan IKG waduk dan sungai berkisar 0,14-32,36 untuk jantan dan 2,38-18,14 untuk betina. Fekunditas hanya terjadi di waduk berkisar 9.634-41.789 butir. Kondisi ualitas air di Waduk PB Soedirman dan Sungai Klawing dalam keadaan baik untuk kehidupan Ikan Brek.

Kata Kunci : Pertumbuhan, Reproduksi, Ikan Brek (*Puntius orphoides*), Waduk PB. Soedirman, Sungai Klawing



ABSTRACT

This study aims to find out the growth and reproduction of brek Fish (*Puntius orphoides*) in PB Soedirman Reservoir, Banjarnegara and Klawing River, Purbalingga. The growth aspect includes the relationship of length-weight and condition factors. Reproductive aspects include sex ratios, Gonad Maturity Rate (TKG), Gonado Somatic Index (IKG) and fecundity. However, research on PB Soedirman Reservoir has been conducted in October and November 2017, while in the Klawing River it carried out in June and July 2018. *Puntius orphoides* samples obtained during the study amounted to 76 individuals with a total of that 46 fishes in PB Soedirman Reservoir Banjarnegara and as many as 30 fishes found in the river Klawing Purbalingga. The growth pattern of brek fish in reservoirs is isometric while in rivers it is isometric and negative allometric. Factors in the condition of brook in reservoirs and rivers range from 0.99 to 1.17. The overall sex ratio in the reservoir was 1.55: 1 (60.87% male and in the river 39.13% female) and 6.5: 1 (86.67% male and 13.33% female). TKG is I-IV with IKG reservoirs and rivers ranging from 0.14 to 32.36 for males and 2.38-18.14 for females. Fecundity only occurred in reservoirs ranging from 9,634-41,789 grains. The water quality conditions in PB Soedirman and Klawing Rivers are in good condition for the life of brek fish.

Keywords: Growth, Reproduction, *Puntius orphoides*, PB Reservoir. Soedirman, Klawing River

