

ABSTRAK

JUMLAH ERITROSIT, NILAI HEMOGLOBIN, DAN NILAI HEMATOKRIT ELANG BRONTOK (*Nisaetus cirrhatus*) FASE TERANG DI KEBUN BINATANG GEMBIRA LOKA YOGYAKARTA

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Elang Brontok merupakan salah satu satwa yang dilindungi. Kondisi kesehatan dapat dilihat dari jumlah eritrosit, hemoglobin, dan hematokrit. Sampai saat ini, belum ditemukan nilai normal untuk menentukan parameter hematologi pada elang Brontok. Tujuan dari penelitian ini adalah untuk mengetahui jumlah eritrosit, nilai hemoglobin, dan nilai hematokrit elang Brontok fase terang.

Penelitian ini menggunakan lima ekor elang Brontok fase terang sehat yang dipelihara di Kebun Binatang Gembira Loka Yogyakarta. Semua burung diambil darahnya sebanyak 1-2 ml kemudian dilakukan pemeriksaan darah meliputi jumlah eritrosit, nilai hemoglobin dan nilai hematokrit.

Hasil pemeriksaan hematologi menunjukkan jumlah eritrosit sebanyak $1,86-3,6 \times 10^6/\text{mm}^3$ dengan rata-rata $2,69 \times 10^6/\text{mm}^3$. Nilai hematokrit 32-41% dengan rata-rata sebesar 37,8%. Nilai hemoglobin 10-18 g/dL dengan rata-rata sebesar 13,36 g/dL. Jumlah eritrosit, nilai Hb, dan nilai PCV elang Brontok fase terang betina lebih tinggi daripada jantan

Kata kunci: Elang Brontok fase terang, hematologi, eritrosit, hematokrit, hemoglobin

ABSTRACT

THE NUMBER OF ERYTHROCYTES, THE VALUE OF HEMOGLOBIN, AND THE VALUE HEMATOCRIT OF THE LIGHT MORPH CHANGEABLE HAWK EAGLE (*Nisaetus cirrhatus*) IN GEMBIRA LOKA ZOO YOGYAKARTA

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The Changeable hawk-eagle is one of the protected animals. The health condition could be showed from the numbers of erythrocyte, hemoglobin, and hematocrit. Until now, the normal value has not been discovered yet to find the parameter of hematology in Changeable hawk-eagle. The purpose of this research is to find out the numbers of erythrocyte, the value of hemoglobin, and the value of hematocrit from light morph Changeable hawk-eagles in Gembira Loka Zoo Yogyakarta.

This research is using five healthy light morph Changeable hawk-eagles in Gembira Loka Zoo Yogyakarta. All birds was take 1-2 ml of their bloods and was examine the value of erythrocytes, hemoglobin, and hematocrit.

The examination result of hematology showed that the number of erythrocyte was $1,86-3,6 \times 10^6/\text{mm}^3$ on average of $2,69 \times 10^6/\text{mm}^3$. The value of hematocrit was 32-41% on average of 37,8%. The value of hemoglobin was 10-18 g/dL on average of 13,36 g/dL. The number of erythrocytes, the value of Hb, and PCV of the female was higher than the male

Keywords: Light Morph Changeable Hawk-eagle, Hematology, Erythrocytes, Hematocrit, Hemoglobin