

**STUDY OF BLOOD CALCIUM AND PHOSPHORUS LEVEL IN SUMATRAN
RETICULATED PYTHON (*Broghammerus reticulatus*)**

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Broghammerus reticulatus is a species of python found in Southeast Asia, including Indonesia. The blood calcium and Phosphorus level of *Broghammerus reticulatus* still has not been extensively researched. The aim of this research is to study about the blood calcium and Phosphorus level of Sumatran *Broghammerus reticulatus*. There were 11 blood sample were used in this research. Blood sample were centrifuged with 3000 rpm for 5 minutes to separate the serum. The serums were sent to Laboratory of Parahita for calcium and Phosphorus level analyses. Results showed that the calcium level ranged from 13.8 – 17.4 mg/dL, with average of 16.26 mg/dL; and Phosphorus level ranged from 5.26 – 8.47 mg/dL, with average of 6.54 mg/dL. All calcium levels were in normal range value, but there were 3 Phosphorus levels of blood sample were higher than normal range value. It can be concluded that Sumatran reticulated python (*Broghammerus reticulatus*) had calcium level ranged from 13.8 – 17.4 mg/dL , with average of 16.26 mg/dL; for Phosphorus level was 5.26 – 8.47 mg/dL , with average of 6.54 mg/dL. It need further research with more snake's blood samples, different ages and geographic variation of Sumatran *Broghammerus reticulatus*.

Keywords: *Broghammerus reticulatus*, Sumatran, blood, calcium, Phosphorus

**STUDI KADAR KALSIMUM DAN FOSFOR DALAM DARAH ULAR SANCA BATIK
SUMATERA (*Broghammerus reticulatus*)**

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Broghammerus reticulatus merupakan spesies piton yang ditemukan di Asia Tenggara, termasuk Indonesia. Kadar kalsium dan fosfor dalam darah *Broghammerus reticulatus* masih belum diteliti secara luas. Tujuan dari penelitian ini adalah untuk mempelajari tentang kadar kalsium dan fosfor dalam darah ular sanca batik (*Broghammerus reticulatus*) lokalitas Sumatera. Sebelas sampel darah ular sanca batik lokalitas Sumatra digunakan dalam penelitian ini. Sampel darah disentrifus dengan kecepatan 3000 rpm selama 5 menit untuk memisahkan serum. Serum dikirim ke Laboratorium Parahita untuk analisis kadar kalsium dan fosfor. Hasil menunjukkan kadar kalsium berkisar dari 13.8 – 17.4 mg/dL, dengan rata-rata 16.26 mg/dL; dan kadar fosfor berkisar dari 5.26 – 8.47 mg/dL, dengan rata-rata of 6.54 mg/dL. Semua kadar kalsium berada di kisaran normal, tapi terdapat 3 kadar fosfor yang sedikit lebih tinggi dari kisaran normal. Dapat disimpulkan bahwa kadar kalsium darah ular sanca batik Sumatera (*Broghammerus reticulatus*) berkisar dari 13.8 – 17.4 mg/dL, dengan rata-rata 16.26 mg/dL; dan kadar fosfor berkisar dari 5.26 – 8.47 mg/dL, dengan rata-rata of 6.54 mg/dL. Perlu penelitian lebih lanjut dengan lebih banyak sampel darah ular, usia ular yang berbeda, dan variasi geografis ular *Broghammerus reticulatus* Sumatera.

Kata Kunci: *Broghammerus reticulatus*, Sumatera, darah, kalsium, fosfor