

Perilaku reproduksi dan profil pregnanediol-3-glucuronide (PdG) kukang Sumatra (*nycticebus coucang*) betina di penangkaran =  
Reproductive behavior and profile of pregnanediol 3 glucuronide (PdG) in captive housed female Sumatran slow loris (*nycticebus coucang*)

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Abstrak

Pengamatan terhadap perilaku reproduksi dan profil Pregnanediol-3-Glucuronide (PdG) Kukang Sumatra (*Nycticebus coucang*) Betina di Penangkaran, telah dilakukan selama tiga bulan di Pusat Studi Satwa Primata, LPPM-IPB dan Laboratorium Mikrobiologi dan Imunologi Pusat Studi Satwa Primata Bogor, Institut Pertanian Bogor. Penelitian bertujuan untuk mengetahui perilaku harian *N. coucang* yang difokuskan pada pengamatan perilaku reproduksi dan pengukuran kadar hormon metabolit Pregnanediol-3-Glucuronide (PdG) pada feses *N. coucang*.

Dari pengamatan, kami mendapati perilaku reproduksi berupa jantan mengendus (sniffing) dan menjilat (licking) bagian genital betina. Hingga waktu pengamatan berakhir, tidak teramati terjadinya kopulasi. Kadar hormon PdG pada kandang no. 2 berkisar dari  $20,85 \pm 5569,11$  pg/ml sampai  $19995,81 \pm 11061,7$  pg/ml, sedangkan kadar hormon PdG pada kandang no. 5 berkisar dari  $504,97 \pm 936,67$  pg/ml sampai  $18168,68 \pm 12556,1$  pg/ml.

.....Observation of reproductive behavior and profile of Pregnanediol-3-Glucuronide (PdG) in captive housed female sumatran slow loris (*Nycticebus coucang*) has been conducted for three months at Pusat Studi Satwa Primata, LPPM-IPB and Laboratorium Mikrobiologi dan Imunologi Pusat Studi Satwa Primata Bogor, Institut Pertanian Bogor. The study aims to determine the daily behavior of *N. coucang* focusing on the observation of the reproductive behavior and measurement on the levels of the hormone metabolites Pregnanediol-3-glucuronide (PdG) in feces of *N. coucang*.

From the observation, reproductive behavior such as sniffing and licking of female genital parts by male *N. coucang* were observed. Until the end of the observation time, copulation is not observed. PdG hormone levels in the enclosure no. 2 is range from  $20.85 \pm 5569,11$  pg/ml to  $19995.81 \pm 11061.7$  pg/ml, while PdG hormone levels in the enclosure no. 5 is range from  $504.97 \pm 936.67$  pg/ml to  $18168.68 \pm 12556.1$  pg/ml.