

## Respons Orangutan Sumatra Pongo abelii (Lesson, 1827) betina bunting dan betina dengan anak terhadap Jantan berdasarkan perilaku reproduksi di Taman Safari Bogor, Jawa Barat = Responses of pregnant female and female with child Sumatran orangutan Pongo abelii (Lesson, 1827) to males based on their reproductive behavior in Taman Safari Bogor, West Java

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### Abstrak

Telah dilakukan penelitian mengenai respons orangutan (*Pongo abelii*) betina bunting dan betina dengan anak terhadap jantan berdasarkan perilaku reproduksinya di Taman Safari Bogor, Jawa Barat. Penelitian ini bertujuan mengevaluasi respons orangutan betina bunting dan betina yang memiliki anak terhadap jantan, serta mengetahui perilaku harian pada orangutan betina bunting dan betina dengan anak di kawasan konservasi ex-situ Taman Safari Bogor. Penelitian dilakukan pada dua orangutan sumatra (*Pongo abelii*) betina matang kelamin, yaitu B1 memiliki anak berumur 4 tahun dan B2 sedang bunting 6 bulan.

Pengamatan perilaku harian menggunakan focal instantaneous sampling dengan time point 5 menit dan pengamatan perilaku reproduksi menggunakan metode ad libitum. Hasil menunjukkan perbedaan proporsi perilaku harian. Perilaku harian menunjukkan perbedaan proporsi ( $P=0,000$ ). Perilaku makan merupakan proporsi tertinggi pada kedua betina. B1 memiliki proporsi makan, bergerak dan sosial yang lebih tinggi, sedangkan B2 memiliki proporsi istirahat yang lebih tinggi. Respons kedua betina terhadap jantan terlihat melalui perilaku atraktivitas, proseptivitas dan reseptivitas dengan proporsi yang berbeda ( $P=0,000$ ). Kedua betina menunjukkan proporsi reseptivitas tertinggi pada perilaku reproduksi, tetapi berdasarkan durasi, reseptivitas B1 lebih rendah dibandingkan B2. Respon B1 terhadap jantan memiliki proporsi yang rendah karena adanya intervensi oleh anaknya. Orangutan B2 teramati menunjukkan perilaku sangat proaktif terhadap jantan dan tidak ada gangguan dari keberadaan betina lain di dalam kandang yang sama.

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A study of responses of pregnant and female with the child to males in Sumatran orangutan (*Pongo abelii*) based on reproductive behavior has been conducted in Taman Safari Bogor, West Java. The aim is evaluating responses of pregnant and the female with a child to males, as well as find out their daily activities under the ex-situ area in Taman Safari Bogor. The subjects are female with a child (4-years old) (B1) and pregnant female (6-months) (B2). The daily activities were observed every 5 minutes by focal instantaneous sampling, whereas reproductive behavior by ad libitum for 5.5 hours a day from October to November 2019. The observation got 8.580 minutes of daily activities and 4.290 minutes of reproductive behavior. The result presented different proportions of the daily activities of both females. Feeding is the highest proportion of their daily activities. The pregnant female (B2) had a higher resting proportion, whereas females with child (B1) had higher proportions of feeding; moving; also socializing. Reproductive behavior presented a different proportion too ( $P=0,000$ ). Female B1 and B2 have the highest receptivity in reproduction activities, yet based on the duration, B1 receptivity lower than B2. Respons B1 to males was interference by the child. Female B2 has the most proceptivity and not disruption by another female in the same cage.