

Perilaku Sosial Harimau Sumatra (*Panthera tigris sumatrae*, Pocock, 1929) pada Kandang Tidur di Taman Margasatwa Ragunan, Jakarta Selatan = Social Behaviour of Sumatran Tiger (*Panthera tigris sumatrae*, Pocock, 1929) in Sleeping Cage at Taman Margasatwa Ragunan, South Jakarta

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Abstrak

Harimau sumatra menurut IUCN merupakan hewan dengan status terancam punah (Critically endangered), sehingga untuk mencegah dari kepunahan, dibutuhkan peningkatan populasi. Penelitian dilakukan untuk mengamati dan menganalisis perilaku sosial dari harimau sumatra jantan dan betina yang mengarah pada perilaku reproduksi. Pengambilan data diambil menggunakan metode focal sampling dan ad libitum. Dilakukan selama tiga jam per hari dan interval lima menit dengan ulangan 18 hari, mulai dari April hingga Mei 2023. Subjek penelitian adalah harimau sumatra jantan dan betina di Taman Margasatwa Ragunan. Pengambilan data dilakukan dengan melihat perilaku sosial yang mengarah ke perilaku reproduksi pada harimau sumatra. Pengamatan dilakukan pada kandang tidur dengan adanya pemisah antara harimau sumatra jantan dan betina. Hasil yang di dapat dari penelitian ini adalah adanya perbedaan perilaku sosial pada kedua harimau sumatra. Perbedaan perilaku meliputi interaksi jantan mendekati betina ($11,61 \pm 7,32$), betina mendekati jantan (1 ± 0), vokalisasi ($102,6 \pm 35,59$), menggeram ($136,72 \pm 84,16$), dan sifat agresif ($27,08 \pm 20,78$). Terdapat korelasi suhu dan kelembaban terhadap salah satu perilaku sosial harimau sumatra betina (Sig. (2-tailed) < 0,05) yaitu perilaku interaksi betina terhadap jantan (Sig. (2-tailed) = 0,044). Harimau sumatra jantan dan betina menunjukkan perilaku sosial seperti, adanya interaksi, vokalisasi, dan agresivitas, namun tidak di dapat perilaku sosial yang mengarah kepada perilaku reproduksi.

.....IUCN has declared that Sumatran tiger has a status of critically endanger species and so to prevent it from extinction the raise of population is needed. This study aims to observed and analyze the social behavior of male and female sumatran tiger. This study also aims to observe if the social behavior will lead to reproductive behavior. The observation method use in this study is focal sampling, with addition of adlibitum. Data was collected by observing the social behavior that lead to reproductive behavior of sumatran tiger for 3 hours and five minute interval per day with 18 repetitions, starting from April to May 2023. The research subject were male sumatran tiger and female sumatran tiger in Taman Margasatwa Ragunan. Observation were carried out in sleeping cages with a separation between male and female tiger. The result of this study were that there are differences of social behavior between male and female tiger including, male approach it's conspecies ($11,61 \pm 7,32$), female approach it's conspecies (1 ± 0), vocalization ($102,6 \pm 35,59$, growling ($136,72 \pm 84,16$), and aggressive behavior ($27,08 \pm 20,78$). There is a correlation between temperature and humidity on one of the female sumatran tiger's social behavior (Sig. (2-tailed) < 0,05) on female approach it's conspecies (Sig. (2- tailed) = 0,044). Both male and female sumatran tiger shown social behavior including, interaction between each other, vocalization, and aggressive behavior but no social behavior that lead to reproductive behavior.