

# Perilaku Sosial dan Reproduksi Harimau Sumatra (*Panthera tigris sumatrae*) di Taman Margasatwa Ragunan, Jakarta Selatan = Social and Reproductive Behaviors of Male and Female Sumatran Tiger (*Panthera tigris sumatrae*) in Ragunan Zoo, South Jakarta

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## Abstrak

Harimau sumatra merupakan salah satu spesies endemik Indonesia yang keberadaannya terancam punah (critically endangered) menurut IUCN sehingga diperlukan upaya konservasi. Konservasi harimau sumatra dilakukan Taman Margasatwa Ragunan (TMR) beserta IUCN melalui program GSMP (Global Species Management Plan) yang dilakukan secara collaborative breeding. Collaborative breeding dilakukan dengan memasangkan betina asal TMR dengan jantan hasil pertukaran dengan Medan Zoo untuk mencegah inbreeding. Pemasangan harimau harus melalui proses introduksi dan interaksi keduanya perlu diamati. Oleh karena itu, penelitian dilakukan terhadap pasangan harimau sumatra untuk menganalisis perilaku sosial yang terjadi antara harimau sumatra jantan dan betina yang mungkin mengarah ke perilaku reproduksi. Metode scan sampling dan ad libitum digunakan dalam penelitian selama tiga jam perhari dengan total pengulangan sebanyak 23 kali dari Januari hingga Maret 2024. Pengambilan data dilakukan dengan mengamati perilaku sosial dan reproduksi harimau sumatra jantan dan betina di kandang dalam Zona Harimau 1 Taman Margasatwa Ragunan. Hasil dari penelitian ini didominasi oleh perilaku sosial berupa perilaku saling mendekati ( 26,29%; 21,58%). Perilaku chuffing, head rubbing dan sniffing lebih sering dilakukan kedua harimau sumatra dibandingkan dengan perilaku growl dan aggression. Jantan dan betina juga melakukan perilaku reproduksi, yaitu flehmen, sedangkan mating call dan sniffing genitalia hanya dilakukan oleh jantan. Penelitian ini menunjukkan adanya perilaku sosial harimau sumatra yang mengarah pada perilaku reproduksi, yaitu perilaku chuffing, head rubbing, body rubbing, flehmen dan sniffing genitalia.

.....The sumatran tiger is one of Indonesia's endemic species that is critically endangered according to the IUCN so that conservation efforts are needed. Sumatran tiger conservation is carried out by Ragunan Zoo (TMR) and IUCN through the GSMP (Global Species Management Plan) by doing collaborative breeding. Collaborative breeding is done by pairing female from TMR with male from Medan Zoo to prevent inbreeding. The pairing of tigers must go through an introduction process and their interactions need to be observed. Therefore, research was conducted on pairs of sumatran tigers to analyze the social behaviors that occurs between male and female sumatran tigers that may lead to reproductive behavior. Scan sampling and ad libitum methods were used in the study for three hours per day with a total of 23 repetitions from January to March 2024. Data were collected by observing the social and reproductive behavior of male and female sumatran tigers in sleeping cages, Tiger Zone 1 of Ragunan Zoo. The results of this study were dominated by social behavior in the form of approaching behavior ( 26,29%; 21,58%). Chuffing, head rubbing and sniffing behaviors were more often performed by both sumatran tigers compared to growl and aggression behaviors. Male and female sumatran tigers also perform reproductive behaviors, such as flehmen, while mating calls and genitalia sniffing are only done by male. This study shows the existence of social behavior of sumatran tigers that lead to reproductive behavior, such as chuffing, head rubbing, body rubbing, flehmen and sniffing genitalia.