

# Perilaku Reproduksi dan Interaksi Banteng Jawa (*Bos javanicus javanicus* d'Alton, 1832) Jantan dan Betina di Taman Margasatwa Ragunan, Jakarta Selatan = Reproductive Behavior and Interaction of Male and Female Javan Banteng (*Bos javanicus javanicus* d'Alton, 1832) in Taman Margasatwa Ragunan, South Jakarta

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## Abstrak

Banteng jawa (*Bos javanicus javanicus*) merupakan spesies yang terancam punah akibat berbagai aktivitas manusia, sehingga perlu dilakukan konservasi secara ex-situ seperti di Taman Margasatwa Ragunan. Masalah baru, yaitu inbreeding, terjadi sehingga dilakukan pertukaran individu banteng jawa berdasarkan rekomendasi Global Species Management Plans (GSMP) untuk mengatasi permasalahan tersebut. Penelitian ini bertujuan untuk menganalisis perilaku reproduksi dan interaksi banteng jawa jantan dan betina yang dipasangkan melalui program GSMP. Subjek penelitian ini adalah satu individu banteng jawa jantan (J1) asal Taman Margasatwa Ragunan, yang dipasangkan dengan satu banteng jawa betina (B1) asal Taman Safari Prigen, serta satu banteng jawa betina (B2) asal Taman Margasatwa Ragunan. Penelitian dilakukan selama dua bulan (Januari—Maret 2024) sebanyak 5 (lima) kali dalam sepekan. Metode penelitian yang digunakan merupakan scan sampling dan ad libitum dengan interval 5 (lima) menit tanpa jeda. Hasil penelitian menunjukkan bahwa persentase perilaku harian tertinggi pada J1 dan B1 merupakan perilaku makan, diikuti dengan perilaku istirahat dan lokomosi. Persentase perilaku sosial positif, seperti approaching dan allogrooming, antara J1 dengan B1 tinggi, tetapi agonistic action juga cukup tinggi. Perilaku sosial yang paling dominan teramati merupakan perilaku approaching yang dilakukan J1 terhadap B1. Perilaku reproduksi berupa sniffing genitalia, licking genitalia, dan flehmen dapat teramati. Persentase perilaku reproduksi antara J1 dengan B1 yang dipasangkan lebih rendah dibandingkan J1 dengan B2, sedangkan perilaku mounting hingga kopulasi tidak teramati.

.....Javan banteng (*Bos javanicus javanicus*) is a species that is categorized endangered due to various human activities that lead to the need for ex-situ conservation, such as in Taman Margasatwa Ragunan. Another problem that is inbreeding occurred, then the javan banteng were exchanged based on the recommendations of the Global Species Management Plans (GSMP) to solve this problem. This study aims to analyze the reproductive behavior and interactions of male and female javan banteng that was paired through the GSMP. The subject of this study was a male javan banteng (J1) from Taman Margasatwa Ragunan that was paired with a female javan banteng (B1) from Taman Safari Prigen, and a female javan banteng (B2) from Taman Margasatwa Ragunan. This study was conducted from January to March 2024 for 5 days a week. The research methods used were scan sampling and ad libitum with 5 minutes intervals without pause. The results showed that the highest percentage of daily behavior of J1 and B1 was eating behavior, followed by resting and locomotion behavior. Percentage of positive social behaviors, such as approaching and allogrooming between J1 and B1 was high, but the agonistic actions was also quite high. The most dominant social behavior observed was approaching behavior of J1 towards B1. Reproductive behaviors such as sniffing genitalia, licking genitalia, and flehmen were observed. Reproductive behaviors between J1 and B1, that was paired, are found lower than J1 and B2. Mounting and copulation behavior

were not observed.