

# Perilaku Asuh Induk dan Kesejahteraan Gajah sumatra (*Elephas maximus sumatranus* Temminck, 1847) di Kebun Binatang Gembira Loka, Yogyakarta = Maternal Care and Welfare of sumatran Elephants (*Elephas maximus sumatranus* Temminck, 1847) in Gembira Loka Zoo, Yogyakarta

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## Abstrak

Perilaku merupakan semua mobilitas satwa yang dipengaruhi oleh asosiasi antara satwa dengan lingkungan. Perilaku pada gajah meliputi perilaku sosial (kelompok), perilaku individu, perilaku asuh, dan sebagainya. Salah satu perilaku gajah sumatra (*Elephas maximus sumatranus*) yaitu perilaku asuh. Induk gajah dalam mengasuh anaknya bersifat protektif, sehingga selalu mengikuti pergerakan anaknya. Peralihan habitat ke penangkaran menyebabkan ruang gerak terbatas, sehingga konservasi ex-situ harus menjamin kesejahteraannya. Penelitian ini bertujuan menganalisis perilaku asuh induk gajah sumatra serta pengelolaan kesejahteraannya, sehingga gajah dapat berperilaku alami dan anak gajah dapat diasuh dengan baik oleh induknya. Subjek penelitian ini yaitu 1 induk gajah (Sinta) dan 1 anak gajah betina (Arinta). Metode pada penelitian ini yaitu focal animal sampling dan ad libitum sampling. Berdasarkan hasil penelitian, terdapat 9 perilaku asuh induk dengan durasi rata-rata tertinggi yaitu perilaku menyusui 10,46 menit dan terendah yaitu perilaku mengajari 0,63 menit serta perilaku asuh induk dengan persentase tertinggi yaitu perilaku mendekati 31,46% dan terendah yaitu perilaku mandi 0,70%. Kesejahteraan induk dan anak gajah di kebun binatang Gembira Loka, Yogyakarta termasuk kategori sangat baik. Hasil Uji Korelasi Jenjang Spearman (2-tailed) dengan SPSS Statistic 22.0, durasi perilaku menyusui ( $= 0,013$ ) dan perilaku mengikuti ( $= 0,036$ ) berkorelasi signifikan terhadap jumlah pengunjung.

.....Behaviour is all the mobility of animals that are influenced by the association between animals and their environment. Behaviour in elephant includes social behavior (group), individual behavior, maternal care behavior, and several other behavior. One of the behavior of sumatran elephant (*Elephas maximus sumatranus*) is maternal care. The mother elephant in raising her calf will be protective, it will always follow the movement of her calf. The transition of habitat into a captivity causes limited space for movement and then the ex-situ conservation must ensure their welfare. This study to analyze the maternal care behavior of the sumatran elephant and the management to its welfare aspects, so that the elephant can behave naturally and the calf can be properly cared for by its mother. The subjects in this study were 1 mother sumatran elephant (Sinta) and 1 sumatran elephant calf (Arinta). The methods in this study are focal animal sampling and ad-libitum sampling. Based on the result of this study, there 9 maternal care behaviours with the highest duration shown by breastfeeding behavior 10,46 minutes and the lowest shown by teaching behavior 0,63 minutes as well as maternal care behaviours with the highest percentage shown by approaching behavior 31,46% and the lowest shown by bathing behavior 0,70%. The welfare of mother and calf sumatran elephant in the Gembira Loka Zoo, Yogyakarta is very good category. The results of test Spearman Rank Correlation (2-tailed) with SPSS Statistic 22.0, the duration of breastfeeding behavior ( $= 0,013$ ) and following behavior ( $= 0,036$ ) were significantly correlated with the number of visitors.