

Interaksi Antarbetina Monyet Dige (Macaca hecki Matschie, 1901) di Gembira Loka Zoo, Yogyakarta = Interaction Between Female Heck's Macaques (Macaca hecki Matschie, 1901) at Gembira Loka Zoo, Yogyakarta

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Abstrak

Monyet dige (Macaca hecki) merupakan satwa endemik Sulawesi yang hidup berkelompok dengan struktur multemale dan multifemale dan sistem perkawinan promiscuity. Komposisi monyet dige di Gembira Loka Zoo hanya terdiri dari dua individu betina tanpa keberadaan jantan, yang dapat saja memicu munculnya perilaku homoseksual. Penelitian ini bertujuan untuk menganalisis interaksi sosial antarbetina tanpa keberadaan jantan di Gembira Loka Zoo dan mengamati siklus estrus melalui kemunculan sexual swelling. Pengamatan dilakukan terhadap dua individu betina (B1 dan B2) monyet dige dengan metode scan sampling dan ad libitum, sebanyak 30 kali pengulangan data dengan interval waktu 10 menit. Hasil menunjukkan proporsi perilaku harian kedua individu tertinggi hingga terendah, yaitu resting > moving > autogrooming > feeding > stereotype. Perilaku stereotype hanya ditunjukkan oleh Individu B1. Hasil interaksi sosial antarbetina menunjukkan proporsi perilaku afiliatif lebih tinggi (91,03%) dibanding perilaku agonistik (8,97%), perilaku teramati meliputi close proximity, allogrooming, contact sitting, hugging, genital inspection, mounting, pelvic thrusting, contact aggression, non-contact aggression, dan submissive. Teramati terdapat bentuk hierarki di antara kedua individu, yaitu B1 cenderung dominan dibanding B2 cenderung subordinat. Dominasi B1 tercermin dalam perilaku agonistik seperti contact aggression dan non-contact aggression, yang direspons oleh B2 melalui perilaku submissive. Perilaku homoseksual teramati antara individu dominan terhadap subordinat sebagai bentuk kompensasi ketiadaan individu jantan yang dipengaruhi oleh hormon, meliputi genital inspection (9,38%), mounting (1,83%), dan pelvic thrusting (0,41%). Kedua individu memperlihatkan sexual swelling sebagai indikator kesuburan pada masa estrus dan menandakan siklus reproduksi aktif. Kondisi ini berpotensi dapat dikawinkan dengan individu jantan dalam mendorong keberhasilan reproduksi Gembira Loka Zoo.

.....Heck's macaques (Macaca hecki) are endemic animals of Sulawesi that naturally lives in multemale-multifemale social groups and promiscuous mating system. The composition of heck's macaques at Gembira Loka Zoo consists of only two female individuals without the presence of a male, potentially triggering homosexual behavior. This research to analyze social interactions between female in the absence of a male at Gembira Loka Zoo and to observe the estrus cycle through the occurrence of sexual swelling. Observations were conducted on two female individuals (B1 and B2) using scan sampling and ad libitum methods, repeated 30 times at 10-minute intervals. The results of both individuals daily behavior from highest to lowest, resting > moving > autogrooming > feeding > stereotype. Stereotype behavior was only observed in B1. The results of social interactions, a higher proportion of affiliative behaviors (91.03%) compared to agonistic behaviors (8.97%), including close proximity, allogrooming, contact sitting, hugging, genital inspection, mounting, pelvic thrusting, contact aggression, non-contact aggression, and submissive behaviour. A hierarchy was observed, with B1 being more dominant and B2 subordinate. B1's dominance was reflected in agonistic behaviors such as contact and non-contact aggression, while B2 responded with

submissive behavior. Homosexual behaviors were observed from dominant to subordinate individual as form of hormonal compensation of absence male, including genital inspection (9.38%), mounting (1.83%), and pelvic thrusting (0.41%). Both individuals displayed sexual swelling during estrus, indicating active reproductive cycles. This condition suggests that introducing a male could support breeding efforts and enhance reproductive success at Gembira Loka Zoo.