

POLA KELAHIRAN RUSA BAWEAN DI PENANGKARAN DAN PERBANDINGANNYA DENGAN KELOMPOK CERVIDAE LAINNYA

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ABSTRACT

Bawean deer (*Axis kuhlii*) is endemic to Bawean island with its status under IUCN record as RARE. Information on the calving pattern is nonexistence and there is a need to understand more on their reproduction physiology for conservation purposes. Records on the calving from Bawean deer and others tropical deer (*Cervus timorensis* and *Cervus unicolor*) from Surabaya Zoo were compared. The data were obtained from 1989 to 1996 calving time. The results showed that the mean calving date for Bawean deer is July 14th, (SE = 8.3 days, n = 130), Timorensis deer being May 25th (SE = 11.0 days, n = 74) and Sambar deer being Juny 16th (SE = 26.2 days, n = 13). The calving time for Bawean deer are spread equally between months, whereas Timorensis and Sambar deer tended to have a peak calving time, with Timorensis deer in July. Due to a small number of calving record in Sambar deer, no conclusive result can be gathered.

Keywords: Bawean deer, *Axis kuhlii*, Timorensis deer, *Cervus timorensis*, Sambar deer, *Cervus unicolor*, calving pattern.