

PENGARUH VARIASI JENIS KANDANG TERHADAP TINGKAH LAKU INDIKATOR STRES HAMSTER Kerdil CAMPBELL (*Phodopus campbelli* sp.)

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INTISARI

Penelitian ini bertujuan untuk menganalisis pengaruh variasi jenis kandang terhadap perilaku indikator stres pada hamster kerdil Campbell (*Phodopus campbelli* sp.). Dua jenis kandang digunakan, yaitu kandang besi (PB) dan kandang akuarium dengan kayu gigitan (PA), masing-masing diisi 6 ekor hamster. Pengamatan dilakukan selama 10 hari dengan mencatat frekuensi dan durasi perilaku *grooming*, menggigit, eksplorasi, berlari tanpa arah, tidur, makan, dan minum. Hasil analisis ANOVA dua arah menunjukkan bahwa jenis kandang berpengaruh signifikan terhadap perbedaan perilaku yang besar pada perilaku menggigit ($F = 29,05$), makan ($F = 54,04$), dan tidur ($F = 41,12$). Hamster dalam kandang besi menunjukkan frekuensi menggigit dan aktivitas berlari tanpa arah lebih tinggi, yang mengindikasikan tingkat stres lebih tinggi dibandingkan hamster dalam kandang akuarium. Kandang akuarium direkomendasikan karena memberikan lingkungan yang lebih stabil dan mendukung kesejahteraan hamster.

(Kata kunci: hamster, jenis kandang, stres, perilaku, kesejahteraan hewan)

**THE EFFECT OF VARIATION IN CAGE TYPES ON STRESS
INDICATOR BEHAVIOR IN CAMPBELL'S DWARF HAMSTERS
(*Phodopus campbelli* sp.)**

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ABSTRACT

This study aimed to analyze the effect of cage type variation on stress indicator behaviors in Campbell's dwarf hamsters (*Phodopus campbelli* sp.). Two types of cages were used: a wire cage (PB) and an aquarium-type cage with a wooden gnawing block (PA), each housing six hamsters. Observations were conducted over 10 days by recording the frequency and duration of grooming, gnawing, exploration, aimless running, sleeping, eating, and drinking behaviors. The results of the two-way ANOVA analysis showed that cage type had a significant effect on behavioral differences, particularly in gnawing ($F = 29.05$), eating ($F = 54.04$), and sleeping ($F = 41.12$). Hamsters housed in wire cages exhibited higher frequencies of gnawing and aimless running, indicating a higher level of stress compared to those in aquarium cages. The aquarium cage is recommended as it provides a more stable environment and better supports the welfare of the hamsters.

(Keywords: hamster, cage type, stress, behavior, animal welfare)