

## Karakteristik Pola Isapan Nutritif pada Neonatus Cukup Bulan Sehat Berdasarkan Berat Badan Lahir dan Usia Gestasi = Characteristics of Nutritive Sucking Patterns in Healthy Term Neonates Based on Birth Weight and Gestational Age

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### Abstrak

Pola isapan nutritif pada neonatus cukup bulan sehat penting untuk diketahui, namun selama ini belum ada bukti ilmiah yang tersedia. Penelitian ini bertujuan untuk mengetahui karakteristik pola isapan nutritif pada neonatus cukup bulan sehat berdasarkan berat badan lahir dan usia gestasi. Desain studi yang digunakan adalah pendekatan potong lintang pada neonatus cukup bulan sehat di beberapa Puskesmas tingkat Kecamatan di Jakarta. Sebanyak 88 neonatus cukup bulan sehat dinilai karakteristik pola isapan nutritif dengan Sucking Mechanism System Equipment. Dari hasil penilaian tersebut, tidak ditemukan adanya perbedaan bermakna pada pola isapan nutritif neonatus cukup bulan sehat berdasarkan usia gestasi dan berat badan lahir. Rerata amplitudo tekanan isapan adalah -86,69 (76,0 – 102,68) mmHg, rerata frekuensi isapan 0,847 (0,717 – 0,97) isapan/detik, rerata durasi satu isapan nutritif 0,858 ± 0,124 detik, rerata durasi satu burst 13,4 (8,49 – 22,48) detik, rerata jumlah burst dalam satu menit 3,74 ± 1,53 burst/menit, rerata jumlah isapan per burst 15,36 (9,19 – 24,45) isapan/burst. Hasil studi ini menunjukkan bahwa pola isapan nutritif terus berkembang seiring dengan peningkatan usia gestasi dan berat badan lahir.

.....Nutritive sucking pattern in healthy term neonates is important to know, but so far there is no scientific evidence available. The aim of this study was to determine the characteristics of the nutritive suction pattern in healthy term neonates based on birth weight and gestational age. A cross-sectional approach was applied among healthy term neonates in several sub-district health centres in Jakarta. A total of 88 healthy term newborns were assessed for nutritional sucking pattern characteristics using the Sucking Mechanism System Equipment. The result showed no significant difference in terms of nutritive suction pattern based on gestational age and birth weight. The mean amplitude of suction pressure was -86.69 (76.0 - 102.68) mmHg, mean suction frequency was 0.847 (0.717 - 0.97) sucks/second, mean duration of a nutritional suction was 0.858 ± 0.124 seconds, mean duration of a burst was 13.4 (8.49 - 22.48) seconds, mean number of bursts per minute was 3.74 ± 1.53 bursts/minute, mean number of sucks per burst was 15.36 (9.19 - 24.45) sucks/burst. This study suggests that the nutritional sucking pattern continues to evolve with increasing age and birth weight.