

## DAFTAR PUSTAKA

- Ai, S., T. Shimmura, T. Nishiwaki-Ohkawa and T. Yoshimura. 2014. Regulation of seasonal reproduction by hypothalamic activation of thyroid hormone. *Frontiers in Endocrinology*, 5 (12): 1-7.
- Antle, M. C., V. M. Smith, R. Sterniczuk, G. R. Yamakawa, and B. D. Rakai. 2009. Physiological Responses of the Circadian Clock to Acute Light Exposure at Night. *Reviews in Endocrine and Metabolic Disorders*, 10: 279–291.
- Ashkenazy, T., H. Einat, N. Kronfeld-Schor. 2009. We are in the dark here: induction of depression-like and anxiety-like behaviours in the diurnal fat sand rat, by short daylight or melatonin injections. *International Journal of Neuropsychopharmacology*, 12: 83-93.
- Auffray, J-C, E. Tchernov, and E. Nevo. 1988. Origine du commensalisme de la souris domestique *Mus musculus domesticus* vis-à-vis de l'homme. *Comptes Rendus de l'Académie des Sciences de Paris*, 307: 517–522.
- Bamshad, M., C. K. Song, and T. J. Bartness. 1999. CNS origins of the sympathetic nervous system outflow to brown adipose tissue. *American Journal of Physiology*, 276(6 Pt 2): 1569–1578.
- Bartness T. J. and G. N. Wade. 1985. Photoperiodic Control of Seasonal Body Weight Cycles in Hamsters. *Neuroscience & Biobehavioral Reviews*, 9: 599-612.
- Bartness, T. J., G. E. Demas, and C. K. Song. 2002. Seasonal changes in adiposity: the roles of the photoperiod, melatonin and other hormones, and sympathetic nervous system. *Experimental Biology and Medicine*, 227: 363-376.
- Beery, A. K.. and I. Zucker. 2012. Sex Ratio Adjustment by Sex-specific Maternal Cannibalism in Hamsters. *Physiology and Behavior*, 107: 271–276.
- Boon, P., G. H. Visser, and S. Daan. 1997. Effect of photoperiod on body mass, and daily energy intake and energy expenditure in young rats. *Physiology & Behavior*, 62: 913-919.
- Bourgeois, F., A. Alexiu and D. Lemonnier. 1983. Dietary-induced obesity: Effect of dietary fats on adipose tissue cellularity in mice. *British Journal of Nutrition*, 49: 17-26.
- Brainard, G. C., J. P. Hanifin, J. M. Greeson, B. Byrne, G. Glickman, *et al.* 2001. Action Spectrum for Melatonin Regulation in Humans: Evidence for a Novel Circadian Photoreceptor. *Journal of Neuroscience*, 21: 6405–6412.

- Burn, C. C. and G. J. Mason. 2008. Effects of cage-cleaning frequency on laboratory rat reproduction, cannibalism, and welfare. *Applied Animal Behaviour Science*, 114: 235–247.
- Cannon, B. and J. Nedergaard. 2004. Brown Adipose Tissue: Function and Physiological Significance. *Physiological Reviews*, 84: 277–359.
- Challet, E. 2007. Minireview: Entrainment of the Suprachiasmatic Clockwork in Diurnal and Nocturnal Mammals. *Endocrinology*, 148(12): 5648-5655.
- Champagne, F. A. and M. J. Meaney. 2006. Stress During Gestation Alters Postpartum Maternal Care and the Development of the Offspring in a Rodent Model. *Biological Psychiatry Journal*, 59:1227–1235.
- Chen, H., O. Charlat, L. A. Tartaglia, E. A. Woolf, X. Weng, S. J. Ellis, N. D. Lakey, J. Culpepper, K. J. Moore KJ, R. E. Breitbart, G. M. Duyk, R. I. Tepper, and J. P. Morgenstern. 1996. Evidence that the diabetes gene encodes the leptin receptor: identification of a mutation in the leptin receptor gene in db/db mice. *Cell* 84: 491–495.
- Clement, J., S. Simler, L. Ciesielski, P. Mandel, S. Cabib and S. Puglisi-Allegra. 1987. Age-dependent changes of brain GABA levels, turnover rates and shock-induced aggressive behavior in inbred strains of mice. *Pharmacology Biochemistry Behavior*, 26: 83–88.
- Concannon, P., K. Levac, R. Rawson, B. Tennant, and A. Benadoun. 2001. Seasonal changes in serum leptin, food intake, and body weight in photoentrained woodchucks. *American Journal of Physiology*, 281: 951-959.
- Coomans C. P., S. A. A. v. d. Berg, E. A. Lucassen, T. Houben, A. C. M. Pronk, R. D. v. d. Spek, A. Kalsbeek, N. R. Biermasz, K. W. v. Dijk, J. A. Romijn, and J. H. Meijer. 2013. The suprachiasmatic nucleus controls circadian energy metabolism and hepatic insulin sensitivity. *Diabetes*, 62(4): 1102–1108.
- Cucchi, T., J. D. Vigne and J. C. Auffray. 2005. First occurrence of the house mouse (*Mus musculus domesticus* Schwarz & Schwarz, 1943) in the Western Mediterranean: a zooarchaeological revision of subfossil occurrences. *Biological Journal of the Linnean Society*, No. 84: 429–445.
- Dark, J., I. Zucker, G. N. Wade. 1983. Photoperiodic regulation of body mass, food intake, and reproduction in meadow voles. *American Journal of Physiology*, 245: 334-338.
- Deacon, R. M. J. 2006. Housing, Husbandry, and Handling of Rodents for Behavioral Experiments. *Nature Protocol*, 1 (2): 936-946.

- Department of Primary Industries. 2004. *Code of Practice for the Housing and Care of Laboratory Mice, Rats, Guinea Pigs and Rabbits*. Victorian Government Department of Primary Industries. Melbourne, Australia.
- Desantis, D. T. and L. W. Schmaltz. 1984. The Mother-Litter Relationship in Developmental Rat Studies: Cannibalism vs Caring. *Developmental Psychobiology*, 17(3): 255-262.
- Dijk, D-J. and S. N. 2009. Archer. Light, Sleep, and Circadian Rhythms: Together Again. *Plos Biology*, 7 (6): 1-4.
- Elwood, R.W. 1991. Ethical implications of studies on infanticide and maternal aggression in rodents. *Animal Behaviour*, 42: 841–849.
- Endo, A. and T. Watanabe. 1989. Effects of Non-24-Hour Days on Reproductive Efficacy and Embryonic Development in Mice. *Gamete Research*, 22 (4): 435–441.
- Fuchs, S. 1981. Consequences of premature weaning on the reproduction of mothers and offspring in laboratory mice. *Z. Tierpsychol.* 55: 19-32.
- Gandelman, R., M. X. Zarrow and V. H. Denenberg. 1971. Stimulus Control of Cannibalism and Maternal Behavior in Anosmic Mice. *Physiology and Behavior*, 7: 583-586.
- Gilbert, A. N. 1986. *Mammary number and litter size in Rodentia: The "one-half rule"*. Proceeding National Academy of Science, USA, 83: 4828-4830.
- Gorman, M. R., M. H. Ferkin, and J. Dark. 1994. Melatonin Influences Sex-Specific Prenatal Mortality in Meadow Voles. *Biology of Reproduction*, 51: 873-878.
- Haldar, C. and R. Yadav. 2006. Melatonin, Gestation and Fetal Development. *Journal of Endocrinology and Reproduction*, 1: 1-12.
- Heideman, P. D., C. K. Bierl, and M. E. Galvez. 2000. Inhibition of Reproductive Maturation and Somatic Growth of Fischer 344 Rats by Photoperiods Shorter than L14:D10 and by Gradually Decreasing Photoperiod. *Biology of Reproduction*, 63: 1525–1530.
- Houston, A.I. and J. M. McNamara. 2005. John Maynard Smith and the importance of consistency in evolutionary game theory. *Biology & Philosophy*, 20: 933–950.
- Klingenspor, M., H. Niggemann, and G. Heldmaier. 2000. Modulation of leptin sensitivity by short photoperiod acclimation in the Djungarian hamster, *Phodopus sungorus*. *Journal of Comparison Physiology*, 170: 37–43.
- Kokko, H. and M. D. Jennions. 2008. Parental investment, sexual selection and sex ratios. *Journal of Evolutionary Biology*, 21: 919–948.

- Konig, B., J. Riester, and H. Markl. 1988. Maternal Care in House Mice (*Mus musculus*): 11. The Energy Cost of Lactation as a Function of Litter Size. *J. Zool., London*, 216: 195-210
- Kooijman, S., R. van den Berga, A. Ramkisoensing, M. R. Boona, E. N. Kuipersa, M. Loefa, T. C. M. Zonnevelda, E. A. Lucassenc, H. C. M. Sipsa, I A. Chatzisproud, R. H. Houtkooperd, J. H. Meijerc, C. P. Coomansc, N.R. Biermasza, and P. C. N. Rensen. 2015. Prolonged daily light exposure increases body fat mass through attenuation of brown adipose tissue activity. *PNAS*, 112 (21): 6748–6753.
- Kotenkova, E.V. and A. N. Maltzev. 2012. The Role of Invasions in Evolution of Commensal Taxa of *Mus musculus* Sensu Lato Species Group. *Российский Журнал Биологических Инвазий*, 2: 129-134.
- Labov, J. B., U. W. Huck, P. Vaswani, and R. D. Lisk. 1985. Sex ratio manipulation and decreased growth of male offspring of undernourished golden hamsters (*Mesocricetus auratus*). *Behavioral Ecology and Sociobiology*, 18: 241-249.
- Larkin L. M., B. J. Moore, J. S. Stern, and B. A. Horwitz. 1991. Effect of photoperiod on body weight and food intake of obese and lean Zucker rats. *Life Science*, 49: 735–745.
- Latham, N. and G. Mason. 2004. From House Mouse to Mouse House: the Behavior Biology of free living *Mus musculus* and its implications in the Laboratory. *Applied Animal Behaviour Science*, 86: 261-289.
- Lu, Q., W.Q. Zhong, and D.H. Wang. 2007. Effects of photoperiod history on body mass and energy metabolism in Brandt's voles (*Lasiopodomys brandtii*). *The Journal of Experimental Biology*, 210: 3838-3847.
- Mahoney, M. M. 2010. Shift Work, Jet Lag, and Female Reproduction. *International Journal of Endocrinology*, 2010: 1-9.
- Marbawati, D. dan B. Ikawati. 2009. Kolonisasi *Mus musculus* Albino di Laboratorium Loka Litbang P<sub>2</sub>b<sub>2</sub> Banjarnegara. *Balaba*, 5 (1): 1-5.
- McElroy J. F. and G. N. Wade. 1985. Short Photoperiod Stimulates Brown Adipose Tissue Growth and Thermogenesis but not Norepinephrine Turnover in Syrian Hamsters. *Physiology & Behavior*, 37: 307-311.
- Mercer, J. G., K. M. Moar, A. W. Ross, N. Hoggard, and P. J. Morgan. 2000. Photoperiod regulates arcuate nucleus POMC AGRP and leptin receptor mRNA in Siberian hamster hypothalamus. *Animal Journal of Physiology*, 278:271–281.
- Merritt, J. F., D. A. Zegers and L. R. Rose. 2001. Seasonal thermogenesis of southern flying squirrels (*Glaucomys volans*). *J. Mammal*, 82: 51-64.

- Mitchell, J. C. and S. C. Walls. 2008. Cannibalism. *Encyclopedia of Ecology*, 6: 513-517.
- Moore R. Y. and V. B. Eichler. 1972. Loss of circadian adrenal corticosterone rhythm following suprachiasmatic nucleus lesions in the rat. *Brain Research*, 42: 201-206.
- Moore, C. L. 1985. Sex differences in urinary odors produced by young laboratory rats (*Rattus norvegicus*). *Journal of Comparative Psychology*, 99: 336-341.
- Moore, C. L. and G. A. Morelli. 1979. Mother Rats Interact Differently With Male and Female Offspring. *Journal of Comparative and Physiological Psychology*, 93 (4): 677-684.
- Moore, R. Y., J. C. Speh, R. K. Leak. 2002. Suprachiasmatic nucleus organization. *Cell Tissue Research*, 309: 89-98.
- Musser, G., G. Amori, R. Hutterer, B. Kryštufek, N. Yigit, and G. Mitsain. 2008. *Mus musculus*. The IUCN Red List of Threatened Species. Version 2014.3. <[www.iucnredlist.org](http://www.iucnredlist.org)>. 8 Mei 2015.
- Mustonen, A.-M. 2003. *Seasonality, photoperiod and nutritional status in the control of endocrinological weight-regulation*. University of Joensuu. PhD Dissertations in Biology, No. 18.
- Nelson, R. J. 1990. Photoperiodic Responsiveness in House Mice. *Physiology and Behavior*, 48: 403—408.
- Nelson, R. J. 2004. Seasonal immune function and sickness responses. *Trends in Immunology*, 25: 187–192.
- Nelson, R. J. and C. B. Trainor. 2007. Neural mechanisms of aggression. *Nature reviews, neuroscience*, 8: 536-546.
- Nováková, M., B. Vašáková, H. Kutalová, K. Galeštoková, K. Průšová, P. Šmilauer, R. Šumbera, D. Frynta. 2010. Secondary sex ratios do not support maternal manipulation: extensive data from laboratory colonies of spiny mice (Muridae: Acomys). *Behavioral Ecology Sociobiology*, 64: 371–379.
- Ono, H., Y. Hoshino, S. Yasuo, M. Watanabe, Y. Nakane, A. Murai, S. Ebihara, H. W. Korf, T. Yoshimura. 2008. Involvement of thyrotropin in photoperiodic signal transduction in mice. *PNAS*, 105 (47): 18238-18242.
- Paterson, A. T. and C. Vickers. 1981. Melatonin and the adrenal cortex: relationship to territorial aggression in mice. *Physiology Behavior*, 27: 983–987.

- Pennycuik, P. R., P. G. Johnston, N. H. Westwood, dan A. H. Reisner, 1986. Variation in numbers in a house mouse population housed in a large outdoor enclosure: seasonal fluctuations. *Journal of Animal Ecology*, 55, 371-391.
- Prendergast, B. J., R. J. Nelson. 2005. Affective responses to changes in day length in Siberian hamsters (*Phodopus sungorus*). *Psychoneuroendocrinology*, 30: 438–452.
- Prendergast, B. J. and L. M. Kay. 2008. Affective and adrenocorticotrophic response to photoperiod in wistar rats. *Journal of Neuroendocrinology*, 20: 261–267.
- Ricci, E. L., M. M. Bernardi, S. L. Górnjak, and H. S. Spinoso. 2014. Behavioral teratogenicity induced by maternal food restriction: maternal cannibalism and poor reflex development in offspring. *Revista Biotemas*, 27 (2): 185-192.
- Richter, H. G., C. Torres-Farfán, P. P. Rojas-García, C. Campino, F. Torrealba, and M. Serón-Ferré. 2004. The Circadian Timing System: Making Sense of day/night Gene Expression. *Biology Research*, 37: 11-28.
- Ross, A. W., C. E. Johnson, L. M. Bell, L. Reilly, J. S. Duncan, P. Barrett. 2009. Divergent regulation of hypothalamic neuropeptide Y and agouti-related protein by photoperiod in F344 rats with differential food intake and growth. *Journal of Neuroendocrinol*, 21: 610–619.
- Ross, A. W., L. Russell, G. Helfer, L. M. Thomson, M. J. Dalby, and P. J. Morgan. 2015. Photoperiod regulates lean mass accretion, but not adiposity, in growing F344 rats fed a high fat diet. *Plos One*, DOI: 10.1371/journal.pone.0119763.
- Sahin, L., B. M. Wood, B. Plitnick, and M. G. Figueiro. 2014. Daytime light exposure: Effects on biomarkers, measures of alertness, and performance. *Behavioural Brain Research*, 274: 176–185.
- Santoso, S. 2002. *Statistik Multivariat: Konsep dan Aplikasi SPSS*. Flex Media Komputindo. Jakarta.
- Schneider J. E. and G. N. Wade. 1989. Effects of Maternal Diet, Body Weight and Body Composition on Infanticide in Syrian Hamsters. *Physiology & Behavior*, 46: 815-821.
- Seron-frere, M., C. A. Duscay, and G. J. Valenzuela. 1993. Fetal prolactin levels respond to a maternal melatonin implant. *Endocrinology*, 125: 400-403.
- Smith, J. 1981. *Senses and communication*. In: Berry, R. (Ed.), *Biology of the House Mouse*. Academic Press. London.
- Stephan, F. K. and I. Zucker. 1972. Loss of a Circadian Rhythms Adrenal Corticosterone Rhythm Following Suprachiasmatic Lesion in Rat. *Brain Research*, 42: 201-206.

- Thaler, L., F. Bonhomme, and J. Britton-Davidian. 1981. Process of speciation and semi-speciation in the house mouse. *Symposium of the Zoological Society of London*, 47: 27–41.
- Tinbergen, N. 1957. The functions of territory. *Bird Study*, 4: 14–27.
- Trainor, B. C., S. Lin, M. S. Finy, M. R. Rowland, and R. J. Nelson. 2007. *Photoperiod reverses the effects of estrogen on male aggression via genomic and nongenomic pathways*. Proceeding National Academy of Science, USA 5 June 2007.
- Trivers, R. L. and D. E. Willard. 1973. Natural Selection of Parental Ability to Vary the Sex Ratio of Offspring. *Science*, 179 (4068): 90-92.
- Van Schaik, C. P. and C. H Jansoni. 2000. *Infanticide by males and its implications. The Evolution of infanticide in rodents: a comparative analysis*. Cambridge University Press. Cambridge. pp 178-197.
- Wade, G. N., G. Jennings and P. Trayhurn. 1986. Energy balance and brown adipose tissue thermogenesis during pregnancy in Syrian hamsters. *American Journal of Physiology*, 250 (5): 845-850.
- Wahlsten, D. 2011. *Mouse Behavioral Testing: How to Use Mice in Behavioral Neuroscience*. Academic Press. London.
- Walton, J. C., Z. M. Weil, and R. J. Nelson. 2011. Influence of photoperiod on hormones, behavior, and immune function. *Frontiers in Neuroendocrinology*, 32(3):303-319.
- Weber, E. M. and I. A. S. Olsson. 2008. Maternal Behavior in *Mus musculus sp.*: an Ethological Review. *Applied Animal Behavior Science*, 114: 1-22.
- West, S. A. and B. C. Sheldon. 2002. Constraints in the Evolution of Sex Ratio Adjustment. [www.sciencemag.org](http://www.sciencemag.org). *Science*, 295: 1685-1688.
- Wilson, D.E. and D. M. Reeder. 2005. *Mammal Species of the World*. Johns Hopkins University Press. Baltimore, MD, USA.