

DAFTAR PUSTAKA

- 1 Sarter M, Givens B, Bruno JP. The cognitive neuroscience of sustained attention: Where top-down meets bottom-up. *Brain Res Rev* 2001; **35**: 146–160.
- 2 Oken BS, Salinsky MC, Elsas SM. Vigilance, alertness, or sustained attention: physiological basis and measurement. *Clin Neurophysiol* 2006; **117**: 1885–1901.
- 3 Orzeł-Gryglewska J. Consequences of sleep deprivation. *Int J Occup Med Environ Health* 2010; **23**: 95–114.
- 4 Halson SL. Recovery Techniques For Athletes. *ASPETAR Sport Med J* 2015; **4**: 12–16.
- 5 Venter RE. ROLE OF SLEEP IN PERFORMANCE AND RECOVERY OF ATHLETES : A REVIEW ARTICLE. *South African J Res Sport , Phys Educ Recreat Liggaamlike Opvoedkd en Ontspanning* 2012; **34**: 167–184.
- 6 Juliff LE, Halson SL, Peiffer JJ. Understanding sleep disturbance in athletes prior to important competitions. *J Sci Med Sport* 2015; **18**: 13–18.
- 7 Killgore WDS, Weber M. Sleep deprivation and cognitive performance. In: Bianchi MT (ed). *Sleep Deprivation and Disease: Effects on the Body, Brain and Behavior*. Springer: New York, 2014, pp 209–229.
- 8 Whitehurst M. High-Intensity Interval Training. *Am J Lifestyle Med* 2012; **6**: 382–386.
- 9 Klika B, Jordan C. High-Intensity Circuit Training Using Body Weight. *ACSMs Health Fit J* 2013; **17**: 8–13.
- 10 Chang YK, Labban JD, Gapin JI, Etnier JL. The effects of acute exercise on cognitive performance: A meta-analysis. *Brain Res* 2012; **1453**: 87–101.
- 11 Wikkerink Spencer. *The Acute Effect of Exercise Intensity on Cognitive Function*. 2016.<http://hdl.handle.net/10012/10729>.
- 12 Coetsee C, Terblanche E. The effect of three different exercise training

- modalities on cognitive and physical function in a healthy older population. *Eur Rev Aging Phys Act* 2017; **14**: 13.
- 13 Marquez CMS, Vanaudenaerde B, Troosters T, Wenderoth N. High-intensity interval training evokes larger serum BDNF levels compared with intense continuous exercise. *J Appl Physiol* 2015; **119**: 1363–1373.
- 14 Czeisler CA, Allan JS, Strogatz SH, Ronda JM, Sánchez R, David Ríos C *et al.* Bright light resets the human circadian pacemaker independent of the timing of the sleep-wake cycle. *Science (80-)* 1986; **233**: 667–671.
- 15 Kjellberg A. Sleep deprivation and some aspects of performance: I. Problems of arousal changes. *Waking Sleep* 1977; **1**: 139–143.
- 16 Berridge CW, Waterhouse BD. The locus coeruleus-noradrenergic system: Modulation of behavioral state and state-dependent cognitive processes. *Brain Res Rev* 2003; **42**: 33–84.
- 17 Atzori M, Salgado H, Tseng KY. Regulation of cortical functions by the central noradrenergic system: Emerging properties from an old friend. In: Tseng KY, Atzori M (eds). *Monoaminergic Modulation of Cortical Excitability*. Springer: New York, 2007, pp 197–207.
- 18 Faraguna U, Ferrucci M, Giorgi FS, Fornai F. Editorial: The functional anatomy of the reticular formation. *Front Neuroanat* 2019; **13**: 1–3.
- 19 Garcia-Rill E. Reticular Activating System. In: Larry R. Squire (ed). *Encyclopedia of Neuroscience*. Elsevier Ltd: California, 2009, pp 137–143.
- 20 Bassis S, Esposito A, Morabito FC. Recent Advances of Neural Network Models and Applications: Proceedings of the 23rd Workshop of the Italian Neural Networks Society (SIREN), May 23-25, Vietri sul Mare, Salerno, Italy. *Smart Innov Syst Technol* 2014; **26**: 333–334.
- 21 Middlemas D. Brain derived neurotrophic factor. *xPharm Compr Pharmacol Ref* 2007; **22**: 1–4.
- 22 de Araujo GG, Papoti M, dos Reis IGM, de Mello MAR, Gobatto CA. Short and long term effects of high-intensity interval training on hormones, metabolites,

- antioxidant system, glycogen concentration, and aerobic performance adaptations in rats. *Front Physiol* 2016; **7**: 1–10.
- 23 Morland C, Andersson KA, Haugen ØP, Hadzic A, Kleppa L, Gille A *et al.* Exercise induces cerebral VEGF and angiogenesis via the lactate receptor HCAR1. *Nat Commun* 2017; **8**: 15557.
- 24 Parker E, Ludwig, Varacallo M. Central Nervous System (CNS) The Central Nervous System Autonomic Nervous System. *Hippocampus* 2018.
- 25 Moore KL, Dalley AF, Agur AMR. Clinically Oriented Anatomy (Seventh Edition). In: *Lippincott Williams & Wilkins, a Wolters Kluwer business*. Philadelphia, 2014, p 879.
- 26 Drake RL, Vogl, Wayne A, Mitchell AWM. Gray's Anatomy for Students, 2nd Edition. In: *Elsevier Health Sciences*. London, 2009, pp 496–504.
- 27 Bowsher D. The reticular formation and ascending reticular system: Anatomical considerations. *Br J Anaesth* 1961; **33**: 174–182.
- 28 Al-Shaarawy S, Zaidi ZF, Elmedani J. Reticular formation: A review. *Int J Integr Biol* 2011; **12**: 17–25.
- 29 Yeo SS, Chang PH, Jang SH. The ascending reticular activating system from pontine reticular formation to the thalamus in the human brain. *Front Hum Neurosci* 2013; **7**: 1–5.
- 30 Sherwood L. Human physiology from cells to systems Ninth Edition. In: *Cengage Learning, Inc*. Florence, 2016, p 167.
- 31 Lin JS, Anaclet C, Sergeeva OA, Haas HL. The waking brain: An update. *Cell Mol Life Sci* 2011; **68**: 2499–2512.
- 32 Jones BE. Neurobiology of waking and sleeping. *Handb Clin Neurol* 2011; **98**: 131–149.
- 33 Valenzuela CF, Puglia MP, Zucca S. Focus on: Neurotransmitter systems. *Alcohol Res Heal* 2011; **34**: 106–120.
- 34 Guyton AC, Hall JE. *Guyton dan Hall Buku Ajar Fisiologi Kedokteran*. 2014.
- 35 Vyazovskiy V V. Sleep, recovery, and metaregulation: Explaining the benefits

- of sleep. *Nat Sci Sleep* 2015; **7**: 171–184.
- 36 Mukherjee S, Patel SR, Kales SN, Ayas NT, Strohl KP, Gozal D *et al.* An official American Thoracic Society statement: The importance of healthy sleep: Recommendations and future priorities. *Am J Respir Crit Care Med* 2015; **191**: 1450–1458.
- 37 Chaput JP, Dutil C, Sampasa-Kanya H. Sleeping hours: What is the ideal number and how does age impact this? *Nat Sci Sleep* 2018; **10**: 421–430.
- 38 Medic G, Wille M, Hemels MEH. Short- and long-term health consequences of sleep disruption. *Nat Sci Sleep* 2017; **9**: 151–161.
- 39 Alhola P, Polo-Kantola P. Sleep deprivation: Impact on cognitive performance. *Neuropsychiatr Dis Treat* 2007; **3**: 553–567.
- 40 Iovino M, Messana T, De Pergola G, Iovino E, Guastamacchia E, Giagulli VA *et al.* Vigilance States: Central Neural Pathways, Neurotransmitters and Neurohormones. *Endocrine, Metab Immune Disord - Drug Targets* 2018; **19**: 26–37.
- 41 Sudewi D. The role of brain-derived neurotrophic factor (BDNF) in cognitive functions. *Bali Med J (Bali Med J)* 2019 2019; **8**: 427–434.
- 42 Bathina S, Das UN. Brain-derived neurotrophic factor and its clinical Implications. *Arch Med Sci* 2015; **11**: 1164–1178.
- 43 Roy B. High-Intensity Interval Training : Efficient , Effective. *Heal Fit J* 2013; **17**: 3.
- 44 Kilpatrick MW, Jung ME, Little JP. High-intensity interval training: A review of physiological and psychological responses. *ACSM's Heal Fit J* 2014; **18**: 11–16.
- 45 Hori K, Sakajiri A. The Health Benefits of the 7 Minute Workout. *Back to Motion Phys Ther* 2015.
- 46 Schwarz LA, Luo L. Organization of the locus coeruleus-norepinephrine system. *Curr Biol* 2015; **25**: R1051–R1056.
- 47 Piepmeyer AT, Etnier JL. Brain-derived neurotrophic factor (BDNF) as a

- potential mechanism of the effects of acute exercise on cognitive performance. *J Sport Heal Sci* 2015; **4**: 14–23.
- 48 Schmidt-Kassow M, Schädle S, Otterbein S, Thiel C, Doebring A, Lötsch J *et al.* Kinetics of serum brain-derived neurotrophic factor following low-intensity versus high-intensity exercise in men and women. *Neuroreport* 2012; **23**: 889–893.
- 49 Alansare A, Alford K, Lee S, Church T, Jung HC. The effects of high-intensity interval training vs. Moderate-intensity continuous training on heart rate variability in physically inactive adults. *Int J Environ Res Public Health* 2018; **15**: 1508.

