

DAFTAR PUSTAKA

- 1 Caspersen C, Powell K, Christenson G. Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research. *Public Health Rep.* 1985;100(2):126–131.
- 2 World Health Organization (WHO). Global Strategy on Diet, Physical Activity and Health Physical Activity [Internet]. 2018: 3–5. Available from : <https://www.who.int/dietphysicalactivity/pa/en/>
- 3 Pedersen BK, Saltin B. Evidence for prescribing exercise as therapy in chronic disease. *Scand J Med Sci Sport.* 2006; 16: 3–63.
- 4 Kenney WL, Willmore J, Costill D. *Physiology of Sport and Exercise*, 6th ed. Champaign, IL: Human Kinetics. 2015.
- 5 Ali MA. Pengaruh Latihan Aerobik terhadap Peningkatan Kadar High Density Lipoprotein pada Atlet Aerobic Gymnastics. 2013; 3: 73.
- 6 Seiler KS. What is best practice for training intensity and duration distribution in endurance athletes?. *Int J Sports Physiol Perform.* 2010;5(3):276–91.
- 7 Green DJ, Hopman MTE, Padilla J, Laughlin MH, Thijssen DHJ. Vascular Adaptation to Exercise in Humans: Role of Hemodynamic Stimuli. *Physiol Rev.* 2017; 97: 495–528.
- 8 Grumati P, Bonaldo P. Autophagy in Skeletal Muscle Homeostasis and in Muscular Dystrophies. *Cells.* 2012; 1: 325–345.
- 9 Kaur J, Debnath J. Autophagy at the crossroads of catabolism and anabolism. *Nat Rev Mol Cell Biol.* 2015; 16: 461–472.
- 10 Ryter SW, Cloonan SM, Choi AMK. Autophagy: A critical regulator of cellular metabolism and homeostasis. *Mol Cells.* 2013; 36: 7–16.
- 11 Nelson EE, Guyer AE. Molecular Mechanisms of Autophagy in the Cardiovascular System. 2012; 1: 233–245.
- 12 Bjørkøy G, Lamark T, Pankiv S, Øvervatn A, Brech A, Johansen T. Monitoring Autophagic Degradation of p62/SQSTM1. *Methods Enzymol* [Internet] 2009; 451: 181–197. Available from : [https://doi.org/10.1016/S0076-6879\(08\)03612-4](https://doi.org/10.1016/S0076-6879(08)03612-4)

- 13 Tam BT, Pei XM, Yung BY, Yip SP, Chan LW, Wong CS *et al.* Autophagic adaptations to long-term habitual exercise in cardiac muscle. *Int J Sports Med.* 2015; 36: 526–534.
- 14 Jiang P, Mizushima N. LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. *Methods.* 2015; 75: 13–18.
- 15 Mizushima N. Autophagy: Process and function. *Genes Dev.* 2007; 21: 2861–2873.
- 16 Martin-Rincon M, Morales-Alamo D, Calbet JAL. Exercise-mediated modulation of autophagy in skeletal muscle. *Scand J Med Sci Sport.* 2018; 28: 772–781.
- 17 Drake, R. L., Vogl, W., Mitchell, A. W. M., Tibbitts, R., Richardson, P., & Horn, A. *Gray's basic anatomy*, 1st ed. Philadelphia: Elsevier/Churchill Livingstone. 2012. p.101-111.
- 18 Hall, J. E., & Guyton, A. C. *Guyton and Hall textbook of medical physiology*. Philadelphia, PA: Saunders Elsevier. 2014. p101-103.
- 19 Fernandes T, Baraúna VG, Negrão CE, Phillips MI, Oliveira EM. Aerobic exercise training promotes physiological cardiac remodeling involving a set of microRNAs. 2015. doi:10.1152/ajpheart.00899.2014.
- 20 Nystoriak MA, Bhatnagar A. Cardiovascular Effects and Benefits of Exercise. *Frontiers in Cardiovascular Medicine.* 2018; vol.5: 1–11.
- 21 Bernardo BC, Weeks KL, Pretorius L, McMullen JR. Pharmacology & Therapeutics Molecular distinction between physiological and pathological cardiac hypertrophy: Experimental findings and therapeutic strategies. *Pharmacol Ther.* 2010; 128: 191–227.
- 22 Fernandes T, Soci UPR, Oliveira EM. Eccentric and concentric cardiac hypertrophy induced by exercise training: microRNAs and molecular determinants Eccentric and concentric cardiac hypertrophy induced by exercise training: microRNAs and molecular determinants. *Brazilian Journal of Medical and Biological Research.* 2011; 44: 836–847.

- 23 Golbidi S, Laher I. Exercise and the Cardiovascular System. *Cardiology Research and Practice* [Internet] 2012: 1-15. Available from : <http://dx.doi.org/10.1155/2012/210852>
- 24 Hellsten, Y., & Nyberg, M. Cardiovascular Adaptations to Exercise Training. *Comprehensive Physiology*. 2015: 1-32. doi:10.1002/cphy.c140080
- 25 Vainshtein A, Hood DA. The regulation of autophagy during exercise in skeletal muscle. 2016; : 664–673.
- 26 Wang, D.W.; Peng, Z.J.; Ren, G.F.; Wang, G.X. The different roles of selective autophagic protein degradation in mammalian cells. *Oncotarget*. 2015; 6(35) :37098-116.
- 27 Lee E, Koo Y, Ng A, Wei Y, Luby-phelps K, Juraszek A *et al*. Autophagy is essential for cardiac morphogenesis during vertebrate development. *Autophagy*. 2014; 10: 572–587.
- 28 Ghosh R, Pattison JS. Macroautophagy and Chaperone-Mediated Autophagy in Heart Failure : The Known and the Unknown. *Oxidative Medicine and Cellular Longevity*. 2018. 1-22.
- 29 Runwal G, Stamatakou E, Siddiqi FH, Puri C, Zhu Y, Rubinsztein DC. LC3-positive structures are prominent in autophagy-deficient cells. *Sci Rep*. 2019; 9: 1–14.
- 30 Lamark T, Svenning S, Johansen T. Regulation of selective autophagy : the p62 / SQSTM1 paradigm. *Essays Biochem*. 2017; 61: 609–624.
- 31 Martens S. No ATG8s, no problem? How LC3/GAB ARAP proteins contribute to autophagy. *J Cell Biol* 2016; 215: 761–763.
- 32 Tisdale EJ, Talati NK, Artalejo CR, Shisheva A. GAPDH binds Akt to facilitate cargo transport in the early secretory pathway. *Exp Cell Res*. 2017; 349: 310–319.
- 33 Palar, C. M., Wongkar, D., & Ticoalu, S. H. R. Manfaat Latihan Olahraga Aerobik Terhadap Kebugaran Fisik Manusia. *Jurnal E-Biomedik (eBm)*. 2015; 3(1) : 316–321.
- 34 American Heart Association. American Heart Association

- Recommendations for Physical Activity in Adults and Kids. 2018. [Cited 2019 May 25] Available from : <https://www.heart.org/en/healthy-living/fitness/fitness-basics/aha-recs-for-physical-activity-in-adults>
- 35 Swain DP. Moderate or Vigorous Intensity Exercise : Which Is Better for Improving Aerobic Fitness ? *Prev Cardiol.* 2005;8(1): 55–58.
 - 36 Lesmana R, Iwasaki T, Iizuka Y, Amano I, Shimokawa N. The change in thyroid hormone signaling by altered training intensity in male rat skeletal muscle. 2016; 63(8): 727–738.
 - 37 Dubey VK. Lecture 37: Polymerase Chain Reaction. *Proteomics & Genomics.* 1993. 1–9.
 - 38 Lorenz TC. Polymerase Chain Reaction: Basic Protocol Plus Troubleshooting and Optimization Strategies. 2012. 1–14.
 - 39 American Physiological Society. Exercise Protocols Using Rats and Mice. 2006. doi:10.2460/ajvr.68.6.583.
 - 40 Wang Y, Zhang Y, Qian C, Cai M, Li Y, Li Z et al. GSK3 β / β -catenin signaling is correlated with the differentiation of glioma cells induced by Wogonin. *Toxicol Lett* [Internet]. 2013;222(2):212-23. Available from : <http://dx.doi.org/10.1016/j.toxlet.2013.07.013>
 - 41 Kowalik MA, Perra A, Ledda-Columbano GM, Ippolito G, Piacentini M, Columbano A *et al.* Induction of autophagy promotes the growth of early preneoplastic rat liver nodules. *Oncotarget* [Internet] 2016; 7. Available from : <http://dx.doi.org/10.18632/oncotarget.6810>.
 - 42 He C, Bassik MC, Moresi V, Sun K, Wei Y, Zou Z et al. Exercise-induced BCL2-regulated autophagy is required for muscle glucose homeostasis. *Nature* 2012; 481: 511–515.
 - 43 He C, Sumpter R, Levine B. Exercise induces autophagy in peripheral tissues and in the brain. *Autophagy* 2012; 8: 1548–1551.