

DAFTAR PUSTAKA

- Akuba, N. H. (2016). Perbedaan Heart Rate Variability (HRV) Antara Perokok Dan Tidak Perokok Pada Mahasiswa Psik Semester 6 Dan 8 Universitas Muhammadiyah Yogyakarta. 1-12. Retrieved 2019
- Amarya, S., Singh, K., & Sabharwal, M. (2014). Health consequences of obesity in the elderly. *Journal of Clinical Gerontology & Geriatrics*, xxx, 1-5. doi:<http://dx.doi.org/10.1016/j.jcgg.2014.01.004>
- Association, A. H. (2017). *Highlights from the 2017 Guideline for the Prevention, Detection, Evaluation and Management of High Blood Pressure in Adults*.
- Astrand, P-O (1964). Work tests with the bicycle ergometer ergometry – test of physical fitness. *Dept of Physiology Gymnastik-och Idrottshogskolan*. Stockholm. Sweden.
- Aziz, M., & Yadav, K. (2016). Pathogenesis of Atherosclerosis A Review. *Med Clin Rev. iMedPub Journals*, 2, 1-6. doi:DOI: 10.21767/2471-299X.100031
- Baek, J., Park, D., Kim, I., Won, J.-U., Hwang, J., & Roh, J. (2013). Autonomic dysfunction of overweight combined with low muscle mass. *Clin Auton Res*, 23, 325–331. doi:DOI 10.1007/s10286-013-0215-9
- Bergheanu, S. C., Bodde, M., & Jukema, J. (2017). Pathophysiology and treatment of atherosclerosis. *Neth Heart J*, 1-10. doi:DOI 10.1007/s12471-017-0959-2
- Billman, G. E. (2013). The LF/HF ratio does not accurately measure cardiac sympatho-vagal balance. *Frontiers in Physiology*, 4, 1 - 5. doi:doi:10.3389/fphys.2013.00026
- Bjor dal, J. M., Johnson, M. I., Lopes-Martins, R. A., Bogen, B., Chow, R., & Ljunggren, A. E. (2007). Short-term efficacy of physical interventions in osteoarthritic knee pain. A systematic review and meta-analysis of randomised placebo-controlled trials. *BMC Musculoskeletal Disorders*, 1-14. doi:doi:10.1186/1471-2474-8-51
- Buccelletti, F., Gilardi, E., Scaini, E., Galiuto, L., & Persiani, R. (2009). Heart rate variability and myocardial infarction: Systematic literature review. *European Review for Medical and Pharmacological Sciences*, 13, 299-307.
- Buchheit, M., Simon, C., Charloux, A., Doutreleau, S., Piquard, F., & Brandenberger, G. (2005). Heart Rate Variability and Intensity of Habitual

Physical Activity in Middle-Aged Persons. *Medicine & Science In Sports & Exercise*, 1530-1534. doi:DOI: 10.1249/01.mss.0000177556.05081.77

Buchheit, M., Simon, C., Viola, A. U., Doutreleau, S., Piquard, F., & Brandenberger, G. (2004). Heart Rate Variability in Sportive Elderly: Relationship with Daily Physical Activity. *Medicine & Science In Sports & Exercise Official Journal of the American College of Sports Medicine*, 601-610. doi:DOI: 10.1249/01.MSS.0000121956.76237.B5

Buford, T. W. (2016). Hypertension and Aging. *Ageing Research Reviews*, 96-111. doi:<http://dx.doi.org/10.1016/j.arr.2016.01.007>

Cipryan, L. (2016). The Effect of Fitness Level on Cardiac Autonomic Regulation, IL-6, Total Antioxidant Capacity, and Muscle Damage Response to A Single Bout of High-Intensity Interval Training. *Journal of Sport and Health Science* 7, 363-371.

Dantas, E. M., Kemp, A. H., Andreao, R. V., Silva, V. J., Brunoni, A. R., Hoshi, R. A., . . . Mill, J. G. (2017). Reference values for short-term resting-state heart rate variability in healthy adults: Results from the Brazilian Longitudinal Study of Adult Health - ELISA-Brasil Study. *Wiley Psychophysiology*, 1 - 12.

Dong, J.-G. (2016). The role of heart rate variability in sports physiology (Review). *Experimental and Therapeutic Medicine*, 11, 1531 - 1536. doi:DOI: 10.3892/etm.2016.3104

Fauziyana, N. (2012). Hubungan Status Gizi, Aktivitas Fisik, dan Asupan Gizi dengan Tingkat Kebugaran Karyawan PT Wijaya Karya Tahun 2012. 1-146. Retrieved 2019

González, K., Fuentes, J., & Márquez, J. L. (2017). Physical Inactivity, Sedentary Behavior, and Chronic Diseases. *Korean Journal of Family Medicine*, 38, 111-115. doi:<https://doi.org/10.4082/kjfm.2017.38.3.111>

Haddad, H. A., Laursen, P. B., Chollet, D., Ahmaidi, S., & Buchheit, M. (2011). Reliability of Resting and Postexercise Heart Rate. *Sport Med*, 32, 598-605.

Hall, J.E and Guyton. (2016). *Textbook of Medical Physiology* (thirteenth ed.). Philadelphia: Elsevier.

Hawkins, M. N. *et al.* (2007) 'Maximal Oxygen Uptake as a Parametric Measure of Cardiorespiratory Capacity', (3), pp. 103-107. doi: 10.1249/01.mss.0000241641.75101.64

Ilmarinen, J. E. (2001). Aging Workers. *Occup Environ Med*. Retrieved 2019, from <http://oem.bmj.com/>

- Jandackova, V. K., Scholes, S., Britton, A., & Steptoe, A. (2016). Are Changes in Heart Rate Variability in Middle-Aged and Older People Normative or Caused by Pathological Conditions? Findings From a Large Population-Based Longitudinal Cohort Study. *American Heart Association*, 1-13. doi:doi: 10.1161/JAHA.115.002365
- Jakovljevic, D. G. (2018) 'Physical activity and cardiovascular aging: Physiological and molecular insights', *Experimental Gerontology*. The Author, 109, pp. 67–74. doi: 10.1016/j.exger.2017.05.016.
- Jensen, M. T., Suadicani, P., Hein, H. O., & Gyntelberg, F. (2013). Elevated resting heart rate, physical fitness, and all-cause mortality: a 16-year follow-up, in the Copenhagen Male Study. *Heart*, 99, 882–887. doi:doi:10.1136/heartjnl-2012-303375
- Kalyani, R. R., Corriere, M., & Ferrucci, L. (2014). Age-related and disease-related muscle loss: the effect of diabetes, obesity, and other diseases. *Lancet Diabetes Endocrinol*, 1-11. doi:http://dx.doi.org/10.1016/S2213-8587(14)70034-8
- Kemenkes. (2013a). *Pusat Data dan Indormasi Kementrian Kesehatan RI Hipertensi*. Jakarta: Kementrian Kesehatan Republik Indonesia.
- Kemenkes. (2013b). *Pusat Data dan Informasi Kementrian Kesehatan RI Situasi Kesehatan Jantung*. Jakarta: Kementrian Kesehatan Republik Indonesia.
- Kemenkes. (2018). *Risikesdas*. Jakarta: Kementrian Kesehatan Republik Indonesia.
- Liao, C.-D., Tsauo, J.-Y., Hsiao, D.-J., Liou, T.-H., & Huang, S.-W. (2017). Association of physical capacity with heart rate variability based on a short-duration measurement of resting pulse rate in older adults with obesity. *PlosONE*, 12, 1-16. doi:https://doi.org/10.1371/journal.pone.0189150
- Liao, D., Cai, J., Barnes, R. W., Tyroler, H. A., & Rautaharju, P. (1996). Association of Cardiac Autonomic Function and the Development of Hypertension The ARIC Study. *American Journal of Hypertension*, 9, 1147-1156. Retrieved 2019, from <https://academic.oup.com/ajh/article-abstract/9/12/1147/145230>
- Lusis, A. J. (2000). Atherosclerosis. *Nature*, 407, 233-241.
- Lutfi, M. F., & Sukkar, M. Y. (2011). Effect of blood pressure on heart rate variability. *Khartoum Medical Journal*, 4, 548-553.
- Mccraty, R. and Shaffer, F. (2015) 'Heart Rate Variability : New Perspectives on Physiological Mechanisms , Assessment of Self-regulatory Capacity , and Health Risk', 4(1), pp. 46–61. doi: 10.7453/gahmj.2014.073.

- Melo, R. C. *et al.* (2005) 'Effects of age and physical activity on the autonomic control of heart rate in healthy men', 38, pp. 1331–1338.
- Merriam-Webster (no date) *Blood Pressure*. Available at: [https://www.merriam-webster.com/dictionary/blood pressure](https://www.merriam-webster.com/dictionary/blood%20pressure).
- Mori, H., Saito, I., Eguchi, E., Maruyama, K., Kato, T., & Tanigawa, T. (2014). Heart rate variability and blood pressure among Japanese men and women: a community-based cross-sectional study. *Hypertension Research*, 37, 779-784. doi:doi:10.1038/hr.2014.73
- Oh, K.-J., Lee, D. S., Kim, W. K., Han, B. S., Lee, S. C., & Bae, K.-H. (2016). Metabolic Adaptation in Obesity and Type II Diabetes: Myokines, Adipokines and Hepatokines. *International Journal of Molecular Sciences*, 18(8), 1-31. doi:doi:10.3390/ijms18010008
- Owen, N., Sparling, P. B., Healy, G. N., & Dunstan, D. W. (2010). Sedentary Behavior: Emerging Evidence for a New Health Risk. *MayoClinic Proceedings*, 12, 1138 - 1141. doi:doi:10.4065/mcp.2010.0444
- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia (2016). Pedoman Uji Latih Jantung: Prosedur dan Interpretasi Edisi Pertama. Available at: http://www.inaheart.org/upload/image/_Pedoman_Uji_Jantung.pdf
- Pinto, E. (2007). Blood Pressure and Ageing. *Postgrad Med J*, 83, 109-114. doi:doi: 10.1136/pgmj.2006.048371
- Porges, S. W. (1995). Orienting in a defensive world: Mammalian modifications of our evolutionary heritage. A Polyvagal Theory. *Psychophysiology*, 301-318, 32.
- Porges, S. W. (2001). The polyvagal theory: phylogenetic substrates of a social nervous system. *International Journal of Psychophysiology*, 42, 123-146.
- Porges, S. W. (2001). The polyvagal theory: phylogenetic substrates of a social nervous system. *International Journal of Psychophysiology*, 123-146, 42.
- Porges, S. W. (2007). A phylogenetic journey through the vague and ambiguous Xth cranial nerve: A commentary on contemporary heart rate variability research. *Biological Psychology*, 74, 301-307. doi:doi:10.1016/j.biopsycho.2006.08.007
- Porges, S. W. (2007). The polyvagal perspective. *Biological Psychology*, 74, 116-143. doi:doi: 10.1016/j.biopsycho.2006.06.009
- Porges, S. W. (2009). The polyvagal theory: New insights into adaptive reactions of the autonomic nervous system. *Cleveland Clinic Journal Of Medicine*, 76, S86-S90. doi:doi:10.3949/ccjm.76.s2.17

- R.C. Melo, M. S., Quitério, R., Moreno, M., Reis, M., Verzola, I., Oliveira, L., . . . Catai, A. (2005). Effects of age and physical activity on the autonomic control of heart rate in healthy men. *Brazilian Journal of Medical and Biological Research*, 38, 1331-1338.
- Rennie, K. L., Hemingway, H., Kumari, M., Brunner, E., Malik, M., & Marmot, M. (2003). Effects of Moderate and Vigorous Physical Activity on Heart Rate Variability in a British Study of Civil Servants. *American Journal of Epidemiology*, 158, 135–143. doi:DOI: 10.1093/aje/kwg120
- Rollin McCraty, F. S. (2015). Heart Rate Variability: New Perspectives on Physiological Mechanisms, Assessment of Self-regulatory Capacity, and Health Risk. *Global Adv Health Med*, 4, 46-61. doi:10.7453/gahmj.2014.073
- Satoh, M., Metoki, H., Asayama, K., Murakami, T., Inoue, R., Tsubota-Utsugi, M., . . . Kikuya, M. (2019). Age-Related Trends in Home Blood Pressure, Home Pulse Rate, and Day-to-Day Blood Pressure and Pulse Rate Variability: Based in Longitudinal Cohort Data: The Ohasama Study. *American Heart Association*, 1-25. doi:DOI: 10.1161/JAHA.119.012121
- Schroeder, E. B., Liao, D., Chambless, L. E., & Prineas, R. J. (2003). Hypertension, Blood Pressure, and Heart Rate Variability The Atherosclerosis Risk in Communities (ARIC) Study. *Hypertension*, 42, 1106-1111. doi:DOI: 10.1161/01.HYP.0000100444.71069.73
- Shaffer, F., & Venner, J. (2017). Heart Rate Variability Anatomy and Physiology. *Association for Applied Psychophysiology & Biofeedback*, 41(1), 13-25. doi:DOI: 10.5298/1081-5937-41.1.05
- Shaffer, F., McCraty, R., & Zerr, C. L. (2014). A healthy heart is not a metronome: an integrative view of the heart's anatomy and heart rate variability. *Frontiers in Psychology*, 5, 1-19. doi:doi: 10.3389/fpsyg.2014.01040
- Sherwood, L. (2010). *Human Physiology from Cells to System* (Seventh ed.). West Virginia: Brooks/Cole, Cengage Learning.
- Singh, J. P., Larson, M. G., Tsuji, H., Evans, J. C., O'Donnell, C. J., & Levy, D. (1998). Reduced Heart Rate Variability and New-Onset Hypertension. *Hypertension*, 32, 293 - 297. Retrieved 2019, from <http://ahajournals.org>
- Smolander, J., Juutia, T., Kinnunen, M.-L., & Laine, K. (2007). A new heart rate variability-based method for the estimation of oxygen consumption without individual laboratory calibration: Application example on postal workers. *Applied Ergonomics*, 1-7. doi:doi:10.1016/j.apergo.2007.09.001
- Soares-Miranda, L., Sandercock, G., Vale, S., Santos, R., Abreu, S., Moreira, C., & Mota, J. (2012). Metabolic syndrome, physical activity and cardiac

autonomic function. *Diabetes/Metabolism Research And Reviews*, 28, 363–369. doi:DOI: 10.1002/dmrr.2281

Strath, S. J., Swartz, A. M., David R. Bassett, J., O'brien, W. L., King, G. A., & Ainsworth, B. E. (2000). Evaluation of heart rate as a method for assessing moderate intensity physical activity. *Medicine & Science In Sports & Exercise International Life Sciences Institute*, S465-S470. Retrieved 2019

Task Force of the European Society of Cardiology the North American Society of Pacing. (1996). Heart Rate Variability. *Circulation*, 93, 1043–1065.

Thayer, J. F., Yamamoto, S. S., & Brosschot, J. F. (2010). The relationship of autonomic imbalance, heart rate variability and cardiovascular disease risk factors. *International Journal of Cardiology*, 141, 122-131. doi:doi:10.1016/j.ijcard.2009.09.543

Tonello, L., Rodrigues, F. B., Souza, J. W., Campbell, C. S., Leicht, A. S., & Bullousa, D. A. (2014). The role of physical activity and heart rate variability for the control of work related stress. *Frontiers in Physiology*, 5, 1-10. doi:doi: 10.3389/fphys.2014.00067

Voss, A., Heitmann, A., Schroeder, R., Peters, A., & Perz, S. (2012). Short-term heart rate variability—age dependence in healthy subjects. *Physiological Measurement*, 33, 1289–1311.

Voss, A., Heitmann, A., Schroeder, R., Peters, A., & Perz, S. (2012). Short-term heart rate variability—age dependence in healthy subjects. *Physiology Measurement*, 33, 1289–1311. doi:doi:10.1088/0967-3334/33/8/1289

Voss, A., Schroeder, R., Heitmann, A., Peters, A., & Perz, S. (2015). Short-Term Heart Rate Variability—Influence of Gender and Age in Healthy Subjects. *PlosONE*, 10, 1-33. doi:doi:10.1371/journal.pone.0118308

WHO (2002) *Physical inactivity a leading cause of disease and disability, warns WHO*. Available at: <https://www.who.int/mediacentre/news/releases/release23/en/> (Accessed: 8 March 2019).

WHO (2017) *Cardiovascular Diseases (CVDs)*. Available at: [https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)).

WHO (2018) *The Top 10 Causes of Death*. Available at: <https://www.who.int/en/news-room/fact-sheets/detail/the-top-10-causes-of-death> (Accessed: 8 March 2019).

Xhyheri, B., Manfrini, O., Mazzolini, M., Pizzi, C., & Bugiardini, R. (2012). Heart Rate Variability Today. *Progress in Cardiovascular Disease*, 55, 321-331. doi:http://dx.doi.org/10.1016/j.pcad.2012.09.001