

DAFTAR PUSTAKA

- Alahmadi, M. A. 2014. High-intensity Interval Training and Obesity. *Journal of Novel Physiotherapies*, 04(03).
- Arboleda-Serna, V.H., Feito, Y., Patiño-Villada, F.A., Vargas-Romero, A.V. & Arango-Vélez, E.F. 2019. Effects of high-intensity interval training compared to moderate-intensity continuous training on maximal oxygen consumption and blood pressure in healthy men: A randomized controlled trial. *Biomédica*, 39(3): 524–536.
- Ardestani, M.M.; Kinnaird, C.R.; Henderson, C.E.; Hornby, T.G. 2019. Compensation or recovery? Altered kinetics and neuromuscular synergies following high-intensity and moderate continuous stepping training poststroke. *Neurorehabilit. Neural Repair*, 33, 47–58.
- Balitbang Kemenkes RI. 2018. Riset Kesehatan Dasar; *RISKESDAS*. Jakarta: Balitbang Kemenkes RI
- Bartolomei S., Grillone G., Michele D.C, Cortesi M.2021. A Comparison between Male and Female Athletes in Relative Strength and Power Performances. *J. Funct. Morphol. Kinesiol.* Vol 6(17) :1-11
- Burhan F.Z., Sirajuddin, Indriasari R. 2013. Pola Konsumsi terhadap Kejadian Obesitas Sentral pada Pegawai Pemerintahan di Kantir Bupati Kabupaten Jeneponto. *Artikel Penelitian*. Program Studi Ilmu Gizi Fakultas Kesehatan Masyarakat Universitas Hasanudin Makasar
- Cahyaningrum A. 2015. Leptin Sebagai Indikator Obesitas. *Jurnal Kesehatan Prima*. Vol 9(1) : 1364-1371
- Cho, M. & Kim, J.Y. 2017. Changes in physical fitness and body composition according to the physical activities of Korean adolescents. *Journal of Exercise Rehabilitation*, 13(5): 568–572.
- Corbin, Charles. (2008). *Concepts of Physical Fitness: Active Lifestyle for Wellness. Fourteenth Edition*. New York : McGraw - Hill.
- Dahlan, S., 2014. *Statistik untuk Kedokteran dan Kesehatan*. Jakarta: Epidemiologi Indonesia.
- Davar R.. 2020. Effects of Interval Training on Irisin and Insulin Resistance in Overweight Men. *Archives of Pharmacy Practice*, 11: 78–83.

- Diaz, K. M., Shimbo, D. 2013. Physical Activity and the Prevention of Hypertension. *Current Hypertension Reports*. Vol 15(6): 659–668.
- Donja M.M., Meijers, J.M.M., Halfens, R.J.G., Ter Borg, S., Luiking, Y.C., Verlaan, S., Schoberer, D., Cruz Jentoft, A.J., Van Loon, L.J.C. & Schols, J.M.G.A. 2013. Validity and Reliability of Tools to Measure Muscle Mass, Strength, and Physical Performance in Community-Dwelling Older People: A Systematic Review. *Journal of the American Medical Directors Association*.14(3):170–178.
<http://dx.doi.org/10.1016/j.jamda.2012.10.009>.
- Dorland, W.A. Newman. 2012. *Kamus Kedokteran Dorland; Edisi 28*. Jakarta: Buku Kedokteran EGC.
- Dupuit, M., Rance, M., Morel, C., Bouillon, P., Pereira, B., Bonnet, A., Maillard, F., Duclos, M. & Boisseau, N. 2020. Moderate-Intensity Continuous Training or High-Intensity Interval Training with or without Resistance Training for Altering Body Composition in Postmenopausal Women. *Medicine and Science in Sports and Exercise*, 52(3): 736–745.
- Fang, B., Kim, Y. & Choi, M. 2021. Effect of cycle-based high-intensity interval training and moderate to moderate-intensity continuous training in adolescent soccer players. *Healthcare (Switzerland)*, 9(12).
- Fatmah.2010. *Gizi Usia Lanjut*. Jakarta : Erlangga
- Fitriani, D.2018.Peran Estrogen Dan Leptin dalam Homeostasis Energi. *Jurnal Ilmu Kedokteran dan Kesehatan*. Volume 5(2): 123-131
- Gadduci, A., V., Cleva, R., D., Santarem, Silva, P.,R.,S., Greve, J.,M.,D., Santo M.,A.2017. Muscle strength and body composition in severe obesity. *CLINICS*. Vol. 72(5):272-275
- Greer, B. K., P Sirithienthad, RJ Moffatt, RT Marcello, & LB Panton. 2015. EPOC comparison between isocaloric bouts of steady-state aerobic, intermittent aerobic, and resistance training. *Research Quarterly for Exercise and Sport*, 86(2), 190–195.
- Hasan, M., Malayu, N., Kawengian , S .2013. Hubungan Penggunaan Kontrasepsi dengan obesitas pada wanita usia subur (WUS) di Puskesmas Wawonasa Kecamatan Singkil Manado. *Jurnal e-Biomedik (eBM)*. Vol.1(2): 946-950.

- Helgerud, J.; Høydal, K.; Wang, E.; Karlsen, T.; Berg, P.; Bjerkaas, M.; Simonsen, T.; Helgesen, C.; Hjorth, N.; Bach, R. 2007. Aerobic high-intensity intervals improve $\dot{V}O_2\text{max}$ more than moderate training. *Med. Sci. Sports Exerc.*, 39, 665–671.
- Hellmanns, K., McBean, K. & Thoirs, K. 2015. Magnetic Resonance Imaging in the measurement of whole body muscle mass: A comparison of interval gap methods. *Radiography*, 21(1): e35–e39. <http://dx.doi.org/10.1016/j.radi.2014.09.009>.
- Hoeger, Werner K. dan Hoeger, Sharon A. 2015. *Principles and Labs for Physical Fitness 11th Edition*. United States: Cengage Learning
- Janssen, I., Heymsfield, S.B., Baumgartner, R.N. & Ross, R. 2020. Estimation of skeletal muscle mass by bioelectrical impedance analysis. *Journal of Applied Physiology*. 89(2): 465–471.
- Juránková, M., Bílý, J. & Hrazdíra, E. 2015. Effects of high-intensity strength interval training program on body composition. *Journal of Human Sport and Exercise*, 10(1): 4–6.
- Kementerian Kesehatan RI. 2017. *Buku Ayo Bergerak*. Direktorat Kementerian Kesehatan, Jakarta.
- Kilpatrick M.W., Jung M.E., Little J.P. 2014. HIGH-INTENSITY INTERVAL TRAINING A Review of Physiological and Psychological Responses. *American College of Sports Medicine*. Vol 18 (5) : 11-16
- Kim, K.,B., *et al.* 2019. Effects of Exercise on the Body Composition and Lipid Profile of Individuals with Obesity: A Systematic Review and Meta-Analysis. *Journal of Obesity & Metabolic Syndrome*. Vol 28:278-294
- Latifah, N.N., Margawati, A. & Rahadiyanti, A. 2019. Hubungan komposisi tubuh dengan kebugaran jasmani pada atlet hockey. *Jurnal Keolahragaan*, 7(2): 146–154.
- MacInnis MJ, Gibala MJ. 2017. Physiological adaptations to interval training and the role of exercise intensity. *J Physiol*.595(9):2915-2930. Doi: 10.1113/JP273196
- Martini, F., & al, e. (2012). *Fundamentals of Anatomy & Physiology (9 ed.)*. San Fransisco: Pearson Education.

- Mauliza. 2018. Obesitas Dan Pengaruhnya Terhadap Kardiovaskular. *Jurnal Averrous* Vol.4 (2)
- Mithal, A., Bonjour, J.P., Boonen, S., Burckhardt, P., Degens, H., El Hajj Fuleihan, G., Josse, R., Lips, P., Morales Torres, J., Rizzoli, R., Yoshimura, N., Wahl, D.A., Cooper, C. & Dawson-Hughes, B. 2013. Impact of nutrition on muscle mass, strength, and performance in older adults. *Osteoporosis International*, 24(5): 1555–1566.
- Nugraha A.,R., Berawi K., N. 2017. Pengaruh High Intensity Interval Training (HIIT) terhadap Kebugaran Kardiorespirasi. Majority. Vol 6(1): 1-5
- Nugraha, A.S. Widyatmoko, S., Jatmiko S.,H. 2015. Hubungan Obesitas Dengan Terjadinya Osteoarthritis Lutut Pada Lansia Kecamatan Laweyan Surakarta. *Biomedika*, Volume 7 (1) : 15-18
- Nybo, L.; Sundstrup, E.; Jakobsen, M.D.; Mohr, M.; Hornstrup, T.; Simonsen, L.; Bülow, J.; Randers, M.B.; Nielsen, J.J. Aagaard, P. 2010 High-intensity training versus traditional exercise interventions for promoting health. *Med. Sci. Sports Exerc.*, 42, 1951–1958
- Oria, M.H., Ruiz-Montero, P.J., Chiva-Bartoll, Ó. & González-Fernández, F.T. 2020. Effects of 8-weeks concurrent strength and Aerobic training on body composition, physiological and cognitive performance in older adult women. *Sustainability (Switzerland)*, 12(5): 1–14.
- Permatasari, D., S. Purnawati, BK Satriyasa, L Made, I Sri, H Adiputra *et al.* 2017. Pelatihan Interval Intensitas Tinggi Lebih Efektif Menurunkan Persentase Lemak Tubuh Dibandingkan Pelatihan Kontinyu Submaksimal Pada Siswa Sman 4, 5(2), 10–20
- Pescatello, L. S., MacDonald, H. V., Lamberti, L., & Johnson, B. T. (2015). Exercise for Hypertension: A Prescription Update Integrating Existing Recommendations with Emerging Research. *Current hypertension reports*, 17(11), 25.
- Philippou, A., Chryssanthopoulos, C., Maridaki, M., Koutsilieris, M. 2019. The role of exercise in obesity. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. Vol 13 : 2861-2862

- Prakasa, R.A., Nisa, K., Soleha, T.U. & Tjiptaningrum, A. 2019. Pemberian Latihan Intensitas Sedang Untuk Manajemen Kesehatan Kardiovaskuler Pada Mencit Obesitas. *Medula*, 9(3): 451.
- Prihatiningrum R., Sumekar T.A., Hardian . 2016. Pengaruh Latihan Zumba Terhadap Massa Otot Tubuh Pada Wanita Usia Muda. *Jurnal Kedokteran Diponegoro*. Vol 5 (2) : 115-121
- Rejeki, P.S., Rahim, A.F. & Prasetya, R.E. 2018. Effect of Physical Training Towards Body Balance in Overweight Condition. *Biomolecular and Health Science Journal*, 1(2): 141.
- Ross, A. Catharine, et al. 2014. *Modern Nutrition in Health and Disease 11th Edition*. London : Wolters Kluwer
- Rustika, Oemiati R. 2014. Penyakit Jantung Koroner [PJK] dengan Obesitas di Kelurahan Kebon Kalapa, Bogor. *Buletin Penelitian Sistem Kesehatan*. Vol 17 (4) : 385–393
- Shepherd SO, Wilson OJ, Taylor AS et al. 2015. Low-volume high- intensity interval training in a gym setting improves cardio- metabolic and psychological health. *PLoS One* ; 10: e0139056.
- Sherwood, L., 2014. *Fisiologi Manusia dari Sel ke Sistem*. Edisi 8. Jakarta: EGC
- Sikalak W., Widajanti L., Aruben R. 2017. Faktor-Faktor Yang Berhubungan Dengan Kejadian Obesitas Pada Karyawan Perusahaan Di Bidang Telekomunikasi Jakarta Tahun 2017. *Jurnal Kesehatan Masyarakat (e-Journal)*, 5(3): 193–201.
- Sizoo, D., de Heide, L.J.M., Emous, M., van Zutphen, T., Navis, G. & van Beek, A.P. 2020. Measuring Muscle Mass and Strength in Obesity: *a Review of Various Methods*. *Obesity Surgery*.
- Sjarif, D.R. 2011. *Buku Ajar Nutrisi Pediatrik dan Penyakit Metabolik*. Badan Penerbit IDAI. Jakarta.
- Smith-Ryan, A.E.; Melvin, M.N.; Wingfield, H.L. 2015. High-intensity interval training: Modulating interval duration in overweight/obese men. *Physician Sportsmed*. 43, 107–113.
- Spanoudaki, S.2011. Interval versus Continuous Training. *Journal of Sports Medicine & Doping Studies*. Vol 1 : 1

- Sugianti, Elya, et al. 2009. Faktor Resiko Obesitas Sentral pada Orang Dewasa Di DKI Jakarta : Analisis Lanjut Data Riskesdas 2007. *Jurnal persatuan Gizi Indonesia* 32(2) : 105-116
- Tchernof A., Depres J.,P. 2013. Pathophysiology of Human Visceral Obesity. *Physiol Rev* 93
- Tomlinson, D., J., Erskine, R., M., Morse., C., I. 2016. The impact of obesity on skeletal muscle strength and structure through adolescence to old age. *Biogerontology*. Vol 17:467–483
- Torma, F., Gombos, Z., Jokai, M., Takeda, M., Mimura, T. & Radak, Z. 2019. High intensity interval training and molecular adaptive response of skeletal muscle. *Sports Medicine and Health Science*, 1(1): 24–32. <https://doi.org/10.1016/j.smhs.2019.08.003>.
- Tortora GJ, Derrickson B. *Principles of Anatomy and Physiology*. 12th ed. Asia: Wiley; 2009.
- Villareal, R.A. Napoli, N., Waters D., Villareal, D. 2014. Fat, Muscle, and Bone Interactions in Obesity and the Metabolic Syndrome. *International Journal of Endocrinology* : 1-3
- Weiner R.,B., Baggish A.,L. 2014 Acute versus chronic exercise-induced left ventricular remodeling. *Expert Review of Cardiovascular Therapy*. Vol 12(11):1243-6.
- Welis W., Sazeli, Rifki M. 2013. *Gizi untuk Aktivitas Fisik dan Kebugaran*. Padang : Sukatina press
- Wu, C., Xu, Y., Chen, Z., Cao, Y., Yu, K. & Huang, C. 2021. The effect of intensity, frequency, duration and volume of physical activity in children and adolescents on skeletal muscle fitness: A systematic review and meta-analysis of randomized controlled trials. *International Journal of Environmental Research and Public Health*, 18(18).
- Yilmaz.2013. Effects of Different Types of Exercises on Body Composition in Young Men and Women. *Life Science Journal*. Vol. 10(3)
- Yunus, M., Wahjuni, E.,S., Supriatna. 2019. The Effects of Continuous and Interval Training Toward $\dot{V}O_2\text{max}$ Increase for Male. *Advances in Health Science Research (AHSR)*, vol. 7 : 134-137

Zhang H, Tong TK, Qiu W, Zhang X, Zhou S, Liu Y, He Y. 2017. Comparable Effects of High-Intensity Interval Training and Prolonged Continuous Exercise Training on Abdominal Visceral Fat Reduction in Obese Young Women. *J Diabetes Res*: 2017. <https://doi:10.1155/2017/5071740>.

