

DAFTAR PUSTAKA

- Afshin, A., Forouzanfar, M. H., Reitsma, M. B., Sur, P., Estep, K., Lee, A., & Murray, C. J. 2017. Health Effects of Overweight and Obesity in 195 Countries Over 25 Years. *New England Journal of Medicine*, 377(1): 13–27.
- Alam, M. M., Islam, M. M., Hossain, M. B., & Khatun, A. 2020. Indoor air pollution and respiratory health problems among university students in Bangladesh. *Environmental Science and Pollution Research*, 27(21): 26461-26469.
- Alsagaff, H., Mangunegoro, H., Amin, M., Yunus, F., Bernstein, R.S., Johnson, L. 1992. Nilai Normal Faal Paru Orang Indonesia Pada Usia Sekolah dan Pekerja Dewasa Berdasarkan Rekomendasi American Thoracic Society (ATS) 1987. *Paru*, 12(4): 13-17.
- Bakhtiar, Arief & Tantri, Renny. 2019. Faal Paru Dinamis. *Jurnal Respirasi*, (3): 89-96.
- Barrett, K.E., 2021. *Ganong's Review of Medical Physiology 26th edition*. Philadelphia: McGraw-Hill Education.
- Benck L. R., Cuttica M. J., Colangelo L. A., Sidney S., Dransfield M. T., Mannino D. M., Jacobs D. R. Jr., Lewis C.E., Zhu N., Washko G. R., Liu K., Carnethon M. R., & Kalhan R. 2017. Association between Cardiorespiratory Fitness and Lung Health from Young Adulthood to Middle Age. *American Journal of Respiratory and Critical Care Medicine*, 195(9):1236-1243.
- Brown, D. R., Brown, J. L., Jackson, E. W., & Miller, B. M. 2020. Physical activity mediates the relationship between sleep and cardiovascular disease risk in young adults. *American Journal of Health Promotion*, 34(7): 767-773.
- Cabral Santos, C., Barros, T., Chaves, G. S., Alves, R., Rosa, T., Mendes, E. L., Santos, A. 2020. Endothelial Function is Associated with Cardiorespiratory Fitness in Healthy Adolescents: A Cross-Sectional Study. *Biomedical Central Pediatrics*. 20(1): 1–9.
- Campisi, J., 2016. Cellular Senescence and Lung Function During Aging. *Annals of the American Thoracic Society*. 13(2): 402–406.
- Celli, B.R. and Decramer, M., 2019. Lung Function Testing: Selection of Reference Values and Interpretative Strategies. *American Journal of Respiratory and Critical Care Medicine*, 200(3): 399–406.
- Charususin, Noppawan., Suwannee J., Pipop J., Saipin P. 2016. The pulmonary function and respiratory muscle strength in Thai obese children. *Siriraj Medical Journal*, 59(6): 125–130.

- Czuba, M., Waskiewicz, Z., Zajac, A., Poprzecki, S., & Cholewa, J. 2020. Association Between Haemoglobin Concentration and Aerobic Capacity in Male Soccer Players. *Scandinavian Journal of Medicine and Science in Sports*, 30(6): 1107–1113.
- Deuster, P. A., Singh, A., Collieran, H. L., Steinberg, K. H., & Russell, D. W. 2017. Racial Differences in VO₂peak and Body Composition Among Active Duty Military Women. *Journal Of Strength And Conditioning Research*, 31(8): 2157–2165.
- Doewes M, Kiyatno, Suradi. 2011. Kontribusi sistem respirasi terhadap VO₂ Maks. *Jurnal Respirasi Indonesia*, 31(1): 10–13.
- Dorrian D, Minnis P, & Donnelly. 2018. SP161 Steroids for sarcoidosis. *Thorax Medical Journal*, 73(1): 189-190.
- Du, T., Sun, X., Yin, P., Huo, R., Ni, C., Yu, X., & Zhang, J. 2020. The Association between Obesity and Cardiorespiratory Fitness in Young Adults. *International Journal of Environmental Research and Public Health*, 17(10): 3562–3574.
- Elliott, K. J., Sale, C., Cable, N. T., & Greeves, J. P. 2020. Effects of Resistance Training on Women's VO₂max: A Meta-Analysis of Longitudinal Studies. *Sports Medicine*, 50(11): 1879–1889.
- Fleg, J. L., Morrell, C. H., Bosworth, H. B., Brant, L. J., Talbot, L. A., Wright, J. G., & Lakatta, E. G. 2012. Accelerated Longitudinal Decline of Aerobic Capacity in Healthy Older Adults. *Circulation*, 124(9): 969–976.
- Ganapathi, L.V. and Vinoth, S. 2017. The Estimation of Pulmonary Functions in Various Body Postures in Normal Subjects. *International Journals of Advanced Medicine*, 2(1): 250–254.
- Gralla, M. H., McDonald, S. M., Breneman, C., Beets, M. W., & Moore, J. B. 2016. Associations of Objectively Measured Vigorous Physical Activity With Body Composition, Cardiorespiratory Fitness, and Cardiometabolic Health in Youth: A Review. *American Journal of Lifestyle Medicine*, 13(1): 61–97.
- Gouda, R., & Singh, S. 2018. Spirometry: An Overview. *Journal of Pulmonary Medicine*, 1(1): 1–6.
- Guyton, A.C. and Hall, J.E., 2021. *Guyton And Hall Textbook Of Medical Physiology 14th edition*, Philadelphia: Elsevier.
- Haditya Nurman Mahardhika. 2016. Hubungan Kapasitas Vital Paru dengan Kardiorespirasi Pemain Futsal yang Mengikuti Latihan Fisik dan Taktik di Club Futsal Tifosi Yogyakarta. *Skripsi*. Fakultas Ilmu Keolahragaan. Universitas Negeri Yogyakarta, Yogyakarta. 48 hal.

- Hartanto, K. 2014. Hubungan antara Lingkar Pinggang dengan Nilai Volume Ekspirasi Paksa Detik Pertama (VEP) dan Nilai Kapasitas Vital Paksa (KVP) pada Pemeriksaan Spirometri. *Jurnal Mahasiswa PSPD FK Universitas Tanjungpura*. 1(1): 3-24.
- Hassel, E., Stensvold, D., Halvorsen, T., Wisløff, U., Langhammer, A. and Steinshamn, S., 2017. Lung Function Parameters Improve Prediction of VO₂peak in an Elderly Population: The Generation 100 Study. *PLoS ONE*, 12(3): 43–73.
- Hayes R. M, Maldonado D, Gossett T, Shepherd T, Mehta S. P, Flesher S. L. 2017. Developing and Validating a Step Test of Aerobic Fitness among Elementary School Children. *Physiotherapy Canada*, 71(1): 187–194.
- Holland AE, Spruit M. A, Troosters T, Puhan M. A, Pepin V, Saey D, McCormack M. C, Carlin B. W, Sciurba F. C, & Pitta F. 2014. An official European Respiratory Society/American Thoracic Society Technical Standard: Field Walking Tests in Chronic Respiratory Disease. *European Respiratory Journal*, 44(1): 1428–1446.
- Hughes, A. 2017. Spirometry: Technical Overview and New Training and Certification Requirements. *Nursing Times*, 113(4): 26-29.
- Joyner, M. 2019. Mechanisms behind the age-related decline in maximal aerobic capacity. *American Journal of Physiology-Heart and Circulatory Physiology*, 316(4): 895-901.
- Kahar, Femilia. 2017. Pengaruh Latihan Aerobik (*Jogging*) terhadap Kapasitas Vital Paru pada Pelajar di MAN 3 Palembang. *Skripsi*. Universitas Muhammadiyah Palembang, Palembang. 78 hal
- Kaminsky, L. A., Arena, R., Beckie, T. M., Brubaker, P. H., Church, T. S., Forman, D. E., & Williams, M. A. 2019. The Importance Of Cardiorespiratory Fitness In The United States: The Need For A National Registry: A Policy Statement From The American Heart Association. *Circulation*, 12(3): 139–145.
- Kannel, W. B., & Vasan, R. S. 2020. Smoking and Cardiovascular Disease: A Century of Progress. *Journals of American Medical Association Internal Medicine*, 180(10): 1400–1406.
- Kasper, D. L., Fauci, A. S., Hauser, S. L., Longo, D. L., Jameson, J. L., & Loscalzo, J. 2022. *Harrison's Principles of Internal Medicine*. Philadelphia: McGraw Hill Professional.
- Khanal, P., Sharma, R., Neupane, D. and Kallestrup, P., 2019. Cardiorespiratory Fitness As A Predictor Of Non-Communicable Diseases: A Systematic Review And Meta-Analysis. *Journal of Physical Activity and Health*, 16(10): 929–937.
- Koul, P. A. 2019. Basic Interpretation of Spirometry. *Indian Chest Society*, 36(1): 12–17.

- Koutsoukou, A., Katsiari, M., Orfanos, S., Rovina, N., Dimitrakopoulou, C., Kotanidou, A., & Armaganidis, A. 2017. ARDS In Aged Patients: Respiratory System Mechanics and Outcome. *Health Science Journal*, 11(2): 1–8.
- Kozey, S. L., Lyden, K., Howe, C. A., & Staudenmayer, J. W. 2019. Sex Differences in The Relationship between Oxygen Uptake and Skeletal Muscle Morphology in Young Adults. *Journal of Applied Physiology*, 127(5): 1331–1339.
- Kumar, S., Raghavendra, B., & Jahan, M. 2020. Correlation of Lung Function with Maximal Oxygen Uptake During Exercise in Healthy Individuals. *Indian Journal of Physiology and Pharmacology*, 64(4): 268–271.
- Kurdanti, W., Suryani, I., Syamsiatun, N. H., Siwi, L. P., Adityanti, M. M., Mustikaningsih, D., Sholihah, K. I. 2015. Faktor-Faktor yang Mempengaruhi Kejadian Obesitas Pada Remaja. *Jurnal Gizi Klinik Indonesia*. 11(4) : 179-190.
- Lee, D., Lavie, C. J., Sui, X., Church, T. S., & Blair, S. N. 2019. Cardiorespiratory Fitness and Mortality in The General Population: A Systematic Review And Meta-Analysis. *Progress In Cardiovascular Diseases*, 62(1): 64–69.
- Lepretre, P. M., Volvaard, N. B., & Metcalfe, R. S. 2021. Age-Related Decline in Cardiorespiratory Fitness: The Association with Sedentary Behavior, Physical Activity and Body Mass Index. *Ageing Research Reviews*, 66(4): 101–109.
- Londeree, B.R. 2017. *ACSM's Guidelines For Exercise Testing And Prescription*. Alphen: Wolters Kluwer.
- Mahardhika, Haditya Nurman. 2016. Hubungan Kapasitas Vital Paru dengan Kardiorespirasi Pemain Futsal yang Mengikuti Latihan Fisik dan Taktik di Club Futsal Tifosi Yogyakarta. *Skripsi*. Fakultas Ilmu Keolahragaan. Universitas Negeri Yogyakarta, Yogyakarta. 48 hal.
- Mayorga, Vega D, Aguilar, Soto P, Viciano J. 2015. Criterion-Related Validity of The 20-M Shuttle Run Test for Estimating Cardiorespiratory Fitness: A Meta-Analysis. *Journal of Sports Science Medicine*, 14(1) :536–547.
- McNeill, J., Chernofsky, A., Naylor, M., Rahaghi, F. N., Estepar, R. S. J., Washko, G., Synn, A., Vasan, R. S., O'Connor, G., Larson, M. G., Ho, J. E., & Lewis, G. D. 2019. The Association of Lung Function and Pulmonary Vasculature Volume with Cardiorespiratory Fitness in The Community. *European Respiratory Journal*, 9(1): 1-11.
- Mehta, R., Chokshi, A., & Garg, N. 2019. Association Between Ejection Fraction and Cardiorespiratory Fitness in Patients with Preserved Ejection Fraction Heart Failure. *Journal of Cardiac Failure*, 25(2): 69–74.

- Mihaila, S. M., & Kaminska, A. M. 2016. Lung Volumes Related to Physical Activity Physical Fitness, Aerobic Capacity and Body Mass Index in Students. *Human Movement*, 17(1): 28-33.
- Miller, M. R., Hankinson, J., Brusasco, V., Burgos, F., Casaburi, R., Coates, A., MacIntyre, N. 2019. Standardisation of Spirometry. *European Respiratory Journal*, 26 (2): 319-338.
- Mohammed, M.A., Abdelrahman, A.A. and Ali, W.E., 2020. Forced Expiratory Volume in One Second (FEV1) and Its Association with Asthma Control Test (ACT) Scores In Sudanese Asthma Patients. *Journal of Asthma*, 57(11): 1179–1186.
- Mosca, L., Benjamin, E. J., Berra, K., Bezanson, J. L., Dolor, R. J., Lloyd-Jones, D. M., & Wenger, N. K. 2018. Effectiveness-Based Guidelines For The Prevention Of Cardiovascular Disease In Women—2011 Update: A Guideline From The American Heart Association. *Journal of the American College of Cardiology*, 57(12): 1404–1423.
- Myers, J., McAuley, P., Lavie, C. J., Despres, J. P., Arena, R., & Kokkinos, P. 2015. Physical Activity And Cardiorespiratory Fitness As Major Markers Of Cardiovascular Risk: Their Independent And Interwoven Importance To Health Status. *Progress in Cardiovascular Diseases*, 57(4): 306-314.
- Nemeth B. A, Carrel A. L, Eickhoff J, Clark R. R, Peterson S. E, & Allen D. B. 2009. Sub-maximal treadmill test predicts VO₂max in overweight children. *The Journal of Pediatric*, 154(1) :677–681
- Nesbitt, T., Breedlove, S. M., Li, H. Y. 2019. Ethnic Differences In Cardiovascular Function: A Cross-sectional Study of African American and White adults. *PLoS One*, 14(11): 12-19.
- Otto, J. M., Montgomery, H. E., & Richards, T. 2013. Haemoglobin Concentration and Mass as Determinants of Exercise Performance and of Surgical Outcome. *Extrem Physiological Medicine*, 2(1): 33–39.
- Peterman J. E, Harber M. P, Imboden M. T, Whaley M. H, Fleenor B. S, Myers J, Arena R, Finch W. H, & Kaminsky L. A. 2020 . Accuracy of Nonexercise Prediction Equations for Assessing Longitudinal Changes to Cardiorespiratory Fitness in Apparently Healthy Adults. *Journal of the American Heart Association*, 9(11): 115-119.
- Putra, D. H. S. 2015. Perbedaan Nilai Rerata VEP1% Prediksi dan VEP1/KVP% antara Orang dengan Indeks Massa Tubuh Normal dan Di atas Normal di Universitas Muhammadiyah Surakarta. *Skripsi*. Fakultas Kedokteran Universitas Muhammadiyah Surakarta, Surakarta.
- Quanjer, P. H., Stanojevic, S., Cole, T. J., Baur, X., Hall, G. L., Culver, B. H., and Rosenthal, M. 2012. Multi-Ethnic Reference Values for Spirometry For The 3-95-Yr Age Range: The Global Lung Function 2012 Equations. *European Respiratory Journal*, 40(6): 1324–1343.

- Raghuveer, G., Hartz, J., Lubans, D. R., Takken, T., Wiltz, J. L., Mietus-Snyder, M., Perak, A. M., Baker-Smith, C., Pietris, N., & Edwards, N. M., 2020. Cardiorespiratory Fitness in Youth: An Important Marker of Health: A Scientific Statement From the American Heart Association. *Circulation*, 142(7): 101-118.
- Rahmania, Siti Khadijah., Tertianto Prabowo, & Putri Tessa. 2016. Correlation between Forced Expiratory Volume One Second and Vital Capacity with VO2 Maximum. *Althea Medical Journal*, 2016(3): 430-433.
- Ramírez, Vélez R., Cruz-Salazar S. M., Martínez M., Cadore E. L., Alonso-Martinez A. M., Correa-Bautista J. E., Izquierdo M, Ortega F. B., García Hermoso A. 2017. Construct validity and test-retest reliability of the International Fitness Scale (IFIS) in Colombian Children and Adolescents Aged 9-17.9 Years. *Peer Journal*, 3(3): 51-53.
- Roman, M. A., Harry B. Rossiter., & Richard Casaburi. 2016. Aging and exercise in lung function. *European Respiratory Journal*, 48(5): 1471-1486.
- Safaringga, E., & Herpandika, R. P. 2018. Hubungan antara Kebugaran Jasmani dengan Kualitas Tidur. *Jurnal SPORTIF : Jurnal Penelitian Pembelajaran*, 4(2): 235-247.
- Sallis, R. E., Matuszak, J. M., Baggish, A. L., Franklin, B. A., & Chodzko-Zajko, W. 2016. Strategies For Promoting Physical Activity In Clinical Practice. *Progress In Cardiovascular Diseases*, 58(6): 661–667.
- Sarzynski M. A., Ghosh S., & Bouchard C. 2-17. Genomic and transcriptomic predictors of response levels to endurance exercise training. *Journal of Physiology*, 59(5): 2931–2939.
- Sastroasmoro, S., Ismael, S. 2014. *Dasar-dasar Metodologi Penelitian Klinis*. Edisi ke-5. Jakarta: CV. Sagung Seto.
- Sheel, A. W., Dominelli, P. B., & Molgat-Seon, Y. 2016. Revisiting Dysanapsis: Sex-Based Differences in Airways and The Mechanics of Breathing During Exercise. *Experimental Physiology*, 101(2): 213–218.
- Sherwood, L. 2020. *Human Physiology: From Cells to Systems 9th Edition*. Boston: Cengage Learning.
- Shi, J., Chen, S., Xu, X. 2020. Chronic Cigarette Smoking Causes Reduction of Lung Function and Increased Risk of Chronic Obstructive Pulmonary Disease: A Meta-Analysis. *Chronic Diseases and Translational Medicine*, 6(4): 257–270.
- Siddique, S., Banu, S., & Zaman, S. 2020. Air pollution and respiratory health problems among university students in Dhaka, Bangladesh. *Environmental Science and Pollution Research*, 27(4): 4365-4374.

- Thibri, Muhibbut, Tuti Restuastuti, & Miftah Azrin. 2014. Hubungan Pengetahuan dan Sikap dengan Kebugaran Jasmani pada Mahasiswa Fakultas Kedokteran Universitas Riau. *Jurnal Online Mahasiswa Fakultas Kedokteran Universitas Riau*, 1(2): 1-13.
- Tortora, G.J. and Derrickson, B. 2017. *Principles of Anatomy and Physiology 13th edition*. New Jersey: Wiley.
- Uyainah, A., Amin, Z., Thufeilsyah, F. 2013. Spirometri. *The Indonesian Journal Chest and Critical Emergency Medicine*, 1(1):35-38.
- Wang, Z., Chen, R., Wang, X., Zhang, J. and Chen, J. 2019. Impacts of Fine and Ultrafine Particles on Cardiorespiratory Diseases: Epidemiology, Mechanisms, and Clinical Implications. *Journal of Thoracic Disease*, 11(2): 413–429.
- Welsman JR, Armstrong N. 2019. Interpreting Cardiorespiratory Fitness in Young Clinical Populations Folklore and Fallacy. *JAMA Pediatrics*, 173(8): 713–714.
- Wulandari, D.A., Tarigan, L., Lubis, H.S. 2014. Karakteristik dan Kapasitas Vital Paksa Paru Pekerja Bagian Produksi Aspal Hotmix PT. Sabaritha Perkasa Abadi Tahun 2014. *Jurnal Lingkungan dan Keselamatan Kerja*, 3(3): 1-6.
- Zeihner J, Ombrellaro KJ, Perumal N, Keil T, Mensink GBM, & Finger J. D. 2019. Correlates and Determinants of Cardiorespiratory Fitness in Adults: a Systematic Review. *Sports Medicine Open*, 5(1): 35-39
- Zhang, H., Park, J., Zhang, C. 2021. Endothelial Dysfunction Contributes to Cardiovascular Disease Risk in Smokers: A Review of The Evidence. *Vascular Medicine*. 26(1): 65–74.