

## DAFTAR PUSTAKA

- Abadini, D., & Wuryaningsih, C. E. (2018). Determinan Aktivitas Fisik Orang Dewasa Pekerja Kantoran di Jakarta Tahun 2018. *Jurnal Promosi Kesehatan Indonesia*, 14(1), 15–28. <https://doi.org/10.14710/JPKI.14.1.15-28>
- Ács, P., Betlehem, J., Oláh, A., Bergier, J., Melczer, C., Prémusz, V., & Makai, A. (2020). Measurement of public health benefits of physical activity: Validity and reliability study of the international physical activity questionnaire in Hungary. *BMC Public Health*, 20(1), 1–10. <https://doi.org/10.1186/S12889-020-08508-9/FIGURES/2>
- Adiputra, I. M. S., Siregar, D., Anggraini, D. D., Irfandi, A., Trisnadewi, N. W., Nurmalita, M. H., Oktaviani, Sari, N. P. W., Laksmi, P., Supinganto, A., Pakpahan, M., Listyawardhani, Y., Islam, F., & Ani, M. (2021). *Statistik Kesehatan: Teori & Aplikasi*. Yayasan Kita Menulis.
- Agustine, C. D. (2022). *Perubahan Aktivitas Fisik Mahasiswa diIndonesia Sebelum dan Saat Pandemi Covid-19*.
- Ainsworth, B., Cahalin, L., Buman, M., & Ross, R. (2015). The current state of physical activity assessment tools. *Progress in Cardiovascular Diseases*, 57(4), 387–395. <https://doi.org/10.1016/J.PCAD.2014.10.005>
- Al-Asousi, M., & El-Sabban, F. (2016). *Physical Activity among Preclinical Medical Students at The University of Malaya, Malaysia*. <https://doi.org/10.15226/jnhfs.2015.00158>
- Almojali, A. I., Almalki, S. A., Alothman, A. S., Masuadi, E. M., & Alaqeel, M. K. (2017). The prevalence and association of stress with sleep quality among medical students. *Journal of Epidemiology and Global Health*, 7(3), 169–174. <https://doi.org/10.1016/J.JEGH.2017.04.005>
- Amanah, S. R., & Citrawati, M. (2020). Association Between Physical Activity, Sleep Quality and Handgrip Strength in Medical Student. *ACTIVE: Journal of Physical Education, Sport, Health and Recreation*, 9(2), 72–77. <https://doi.org/10.15294/ACTIVE.V9I1.37172>

- Annamayra, A., Ramli, R. S., & Nur, L. (2022). Gambaran Tingkat Aktivitas Fisik Mahasiswa Fakultas Kedokteran Universitas Pasundan di Era New Normal. *Jurnal Maenpo: Jurnal Pendidikan Jasmani Kesehatan Dan Rekreasi*, 12(2), 206–218. <https://jurnal.unsur.ac.id/maenpo>
- Apriliani, L., & Sofiani, Y. (2020). *Hubungan Usia dan Jenis Kelamin dengan Aktivitas Fisik Selama Masa Social Distancing pada Mahasiswa Fakultas Ilmu Keperawatan Universitas Muhammadiyah Jakarta Tahun 2020*. <https://all3dp.com/2/fused-deposition-modeling-fdm-3d-printing-simply-explained/>
- Aritonang, J. P., Widiastuti, I. A. E., & Harahap, I. L. (2022). Gambaran Tingkat Aktivitas Fisik Mahasiswa Pendidikan Dokter Fakultas Kedokteran Universitas Mataram di Masa Pandemi COVID-19. *EJournal Kedokteran Indonesia*, 10(1), 58–63. <https://doi.org/10.23886/ejki.10.129.58-63>
- Askola, J., Baumgartner, H., Pulli, T., -, al, Kotsenos, A., Madias, E. N., Topalis, F., & Doulos, L. (2022). Circadian stimulus calculators as environmental building design tools: Early results of a critical review. *IOP Conference Series: Earth and Environmental Science*, 1123(1), 012035. <https://doi.org/10.1088/1755-1315/1123/1/012035>
- Asousi, M. Al, & Sabban, F. El. (2016). Physical Activity among Preclinical Medical Students at The University of Malaya, Malaysia. *Journal of Nutritional Health & Food Science*, 4(2), 1–8. <https://doi.org/10.15226/jnhfs.2016.00159>
- Azad, M. C., Fraser, K., Rumana, N., Abdullah, A. F., Shahana, N., Hanly, P. J., & Turin, T. C. (2015). Sleep Disturbances among Medical Students: A Global Perspective. *Journal of Clinical Sleep Medicine : JCSM : Official Publication of the American Academy of Sleep Medicine*, 11(1), 69. <https://doi.org/10.5664/JCSM.4370>
- Baranwal, N., Yu, P. K., & Siegel, N. S. (2023). Sleep physiology, pathophysiology, and sleep hygiene. *Progress in Cardiovascular Diseases*, 77, 59–69. <https://doi.org/10.1016/J.PCAD.2023.02.005>
- Bianca, N., Budiarsa, I. G. N. K., & Samatra, D. P. G. P. (2021). Gambaran Kualitas Tidur Mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Udayana pada Tahap Preklinik dan Klinik. *Jurnal Medika Udayana*, 10(12), 19720623. <https://fk.unud.ac.id/>
- Braun, T. P., & Marks, D. L. (2015). The regulation of muscle mass by endogenous glucocorticoids. *Frontiers in Physiology*, 6(FEB).

<https://doi.org/10.3389/FPHYS.2015.00012>

- Bredella, M. A. (2017). Sex Differences in Body Composition. *Advances in Experimental Medicine and Biology*, 1043, 9–27. [https://doi.org/10.1007/978-3-319-70178-3\\_2](https://doi.org/10.1007/978-3-319-70178-3_2)
- Buchmann, N., Spira, D., Norman, K., Demuth, I., Eckardt, R., & Steinhagen-Thiessen, E. (2016). Sleep, Muscle Mass and Muscle Function in Older People: A Cross-Sectional Analysis Based on Data From the Berlin Aging Study II (BASE-II). *Deutsches Ärzteblatt International*, 113(15), 253. <https://doi.org/10.3238/ARZTEBL.2016.0253>
- Bustamam, N., Nasrulloh, N., Savitri, P. M., & Prasetio, P. O. (2023). *Comparison of Micronutrient Intake among Students with and without Computer Vision Syndrome*. 7(4), 494–502. <https://doi.org/10.20473/amnt.v7i4.2023.494-502>
- Cao, L., & Morley, J. E. (2016). Sarcopenia Is Recognized as an Independent Condition by an International Classification of Disease, Tenth Revision, Clinical Modification (ICD-10-CM) Code. *Journal of the American Medical Directors Association*, 17(8), 675–677. <https://doi.org/10.1016/J.JAMDA.2016.06.001>
- Carbone, J. W., & Pasiakos, S. M. (2019). Dietary Protein and Muscle Mass: Translating Science to Application and Health Benefit. *Nutrients*, 11(5). <https://doi.org/10.3390/NU11051136>
- Castañeda-Babarro, A., Coca, A., Arbillaga-Etxarri, A., & Gutiérrez-Santamaría, B. (2020). Physical Activity Change during COVID-19 Confinement. *International Journal of Environmental Research and Public Health*, 17(18), 1–10. <https://doi.org/10.3390/IJERPH17186878>
- Castro-Diehl, C., Roux, A. V. D., Redline, S., Seeman, T., Shrager, S. E., & Shea, S. (2015). Association of Sleep Duration and Quality With Alterations in the Hypothalamic-Pituitary Adrenocortical Axis: The Multi-Ethnic Study of Atherosclerosis (MESA). *The Journal of Clinical Endocrinology and Metabolism*, 100(8), 3149–3158. <https://doi.org/10.1210/JC.2015-1198>
- Cheah, Y. K., & Poh, B. K. (2014). The Determinants of Participation in Physical Activity in Malaysia. *Osong Public Health and Research Perspectives*, 5(1), 20. <https://doi.org/10.1016/J.PHRP.2013.12.002>
- Chidi-Ogbolu, N., & Baar, K. (2019). Effect of Estrogen on Musculoskeletal Performance and Injury Risk. *Frontiers in Physiology*, 9(JAN).

<https://doi.org/10.3389/FPHYS.2018.01834>

- Cho, Y. J., Lim, Y. H., Yun, J. M., Yoon, H. J., & Park, M. (2020). Sex- and age-specific effects of energy intake and physical activity on sarcopenia. *Scientific Reports* 2020 10:1, 10(1), 1–10. <https://doi.org/10.1038/s41598-020-66249-6>
- Cruz-Jentoft, A. J., Landi, F., Schneider, S. M., Zúñiga, C., Arai, H., Boirie, Y., Chen, L. K., Fielding, R. A., Martin, F. C., Michel, J., Sieber, C., Stout, J. R., Studenski, S. A., Vellas, B., Woo, J., Zamboni, M., & Cederholm, T. (2014). Prevalence of and interventions for sarcopenia in ageing adults: a systematic review. Report of the International Sarcopenia Initiative (EWGSOP and IWGS). *Age and Ageing*, 43(6), 48–759. <https://doi.org/10.1093/AGEING/AFU115>
- Darmidy, V. (2014). *Perbandingan tingkat dan pola aktivitas fisik siswa SMU dengan mahasiswa Fakultas Kedokteran di Jakarta Pusat dalam hubungannya dengan berat badan lebih = Comparison of level and pattern of physical activity between High School students and Medical students in Central Jakarta in relation to overweight* [Fakultas Kedokteran Universitas Indonesia]. <https://lib.ui.ac.id>
- De Paepe, B. (2020). Progressive Skeletal Muscle Atrophy in Muscular Dystrophies: A Role for Toll-Like Receptor-Signaling in Disease Pathogenesis. *International Journal of Molecular Sciences*, 21(12), 1–19. <https://doi.org/10.3390/IJMS21124440>
- Dewi, N. A. (2018). *Pengaruh Penggunaan Buku Saku terhadap Presisi dan Akurasi Asupan Energi & Zat Besi dengan Metode Recall pada Balita Stunting 2-5 Tahun di Desa Karangwidoro Kecamatan Dau Kabupaten Malang*. Politeknik Kesehatan Malang.
- Distefano, G., & Goodpaster, B. H. (2018). Effects of Exercise and Aging on Skeletal Muscle. *Cold Spring Harbor Perspectives in Medicine*, 8(3). <https://doi.org/10.1101/CSHPERSPECT.A029785>
- Fahmi, A. D. (2015). *Hubungan Tingkat Pengetahuan Gizi Atlet Squash dengan Pola Makan Pasca Kompetisi*. Universitas Pendidikan Indonesia.
- Fath, I. N. (2021). *Hubungan Asupan Protein, Asupan Antioksidan (Vit. C, Vit. E), Asupan Vitamin D, Indeks Massa Tubuh, dan Frekuensi Olahraga terhadap Massa Otot Karyawan Pra-Lansia Poltekkes Kemenkes Jakarta II Kampus Hang Jebat*. Politeknik Kesehatan Kemenkes Jakarta II.



- Fauzan, F. A. (2019). *Pengaruh Pemberian Puding Kacang Merah (Phaseolus Vulgaris. L) Terhadap Massa Otot Dan Ketahanan Otot Atlet Voli Remaja Di Persatuan Bola Voli Binataruna Kota Semarang*. Universitas Muhammadiyah Semarang.
- Fazriani, A. (2023). *Hubungan Antara Massa Otot dan Fungsi Kognitif pada Mahasiswa Kedokteran*. UPN “Veteran” Jakarta.
- Fragala, M. S., Kenny, A. M., & Kuchel, G. A. (2015). Muscle quality in aging: a multi-dimensional approach to muscle functioning with applications for treatment. *Sports Medicine (Auckland, N.Z.)*, 45(5), 641–658. <https://doi.org/10.1007/S40279-015-0305-Z>
- Frontera, W. R., & Ochala, J. (2015). Skeletal muscle: a brief review of structure and function. *Calcified Tissue International*, 96(3), 183–195. <https://doi.org/10.1007/S00223-014-9915-Y>
- Ganesan, K., Rahman, S., & Zito, P. M. (2023). Anabolic Steroids. *StatPearls*. <https://www.ncbi.nlm.nih.gov/books/NBK482418/>
- García-Fernández, J., González-López, J. R., Vilches-Arenas, Á., & Lomas-Campos, M. de las M. (2019). Determinants of Physical Activity Performed by Young Adults. *International Journal of Environmental Research and Public Health*, 16(21). <https://doi.org/10.3390/IJERPH16214061>
- Gharahdaghi, N., Phillips, B. E., Szewczyk, N. J., Smith, K., Wilkinson, D. J., & Atherton, P. J. (2021). Links Between Testosterone, Oestrogen, and the Growth Hormone/Insulin-Like Growth Factor Axis and Resistance Exercise Muscle Adaptations. *Frontiers in Physiology*, 11, 1814. <https://doi.org/10.3389/FPHYS.2020.621226/BIBTEX>
- Grummon, A. H., Sokol, R. L., & Lytle, L. A. (2021). Is late bedtime an overlooked sleep behaviour? Investigating associations between sleep timing, sleep duration and eating behaviours in adolescence and adulthood. *Public Health Nutrition*, 24(7), 1671. <https://doi.org/10.1017/S1368980020002050>
- Guyton, A. C., & Hall, J. E. (2016). Guyton and Hall Textbook of Medical Physiology. In *Elsevier* (Vol. 13, Issue 1).
- Hall, G., Laddu, D. R., Phillips, S. A., Lavie, C. J., & Arena, R. (2021). A tale of two pandemics: How will COVID-19 and global trends in physical inactivity and sedentary behavior affect one another? *Progress in Cardiovascular Diseases*, 64, 108–110. <https://doi.org/10.1016/J.PCAD.2020.04.005>

- Hamrik, Z., Sigmundová, D., Kalman, M., Pavelka, J., & Sigmund, E. (2014). Physical activity and sedentary behaviour in Czech adults: results from the GPAQ study. *European Journal of Sport Science*, *14*(2), 193–198. <https://doi.org/10.1080/17461391.2013.822565>
- Hannibal, K. E., & Bishop, M. D. (2014). Chronic stress, cortisol dysfunction, and pain: a psychoneuroendocrine rationale for stress management in pain rehabilitation. *Physical Therapy*, *94*(12), 1816–1825. <https://doi.org/10.2522/PTJ.20130597>
- Hary, Z. A. P. (2017). *Hubungan antara kelekatan terhadap ibu dengan tingkat stres pada mahasiswa perantau*. Universitas Sanata Dharma Yogyakarta.
- Haryati, & Yunaningsi, S. P. (2020). Faktor yang Mempengaruhi Kualitas Tidur Mahasiswa Fakultas Kedokteran Universitas Halu Oleo. *Jurnal Medika Utama*, *01*(03), 146–155.
- Imami, Y. U., Novasyra, A., Utami, N., & Lubis, I. A. (2022). Tingkat Stres Mahasiswa Fakultas Kedokteran Universitas Islam Sumatera Utara Angkatan 2021 Pada Masa Pandemi Covid-19. *Jurnal Kedokteran STM (Sains Dan Teknologi Medik)*, *5*(2), 80–86. <https://doi.org/10.30743/stm.v5i2.308>
- Kalyani, R. R., Corriere, M., & Ferrucci, L. (2014). Age-related and disease-related muscle loss: the effect of diabetes, obesity, and other diseases. *The Lancet. Diabetes & Endocrinology*, *2*(10), 819. [https://doi.org/10.1016/S2213-8587\(14\)70034-8](https://doi.org/10.1016/S2213-8587(14)70034-8)
- Kartika, A. A. (2021). Hubungan Tingkat Stres Dengan Kualitas Tidur Mahasiswa / I Fakultas Kedokteran Universitas Prima Indonesia Pada Saat Pandemi Covid-19. In *Majalah Kedokteran Andalas* (Vol. 44, Issue 6).
- Kim, H. J., Moon, J. H., Kong, M. H., Oh, Y. H., & Kim, H. J. (2018). Effect of sleep duration on muscle mass in Korean non-elderly adults. *Electronic Journal of General Medicine*, *15*(2), 3. <https://doi.org/10.29333/ejgm/81763>
- Kitajima, Y., & Ono, Y. (2016). Estrogens maintain skeletal muscle and satellite cell functions. *The Journal of Endocrinology*, *229*(3), 267–275. <https://doi.org/10.1530/JOE-15-0476>
- Kreissl, A., Jorda, A., Truschner, K., Skacel, G., & Greber-Platzer, S. (2019). Clinically relevant body composition methods for obese pediatric patients. *BMC Pediatrics*, *19*(1). <https://doi.org/10.1186/S12887-019-1454-2>

- Krzysztofik, M., Wilk, M., Wojdała, G., & Gołaś, A. (2019). Maximizing muscle hypertrophy: A systematic review of advanced resistance training techniques and methods. *International Journal of Environmental Research and Public Health*, 16(24). <https://doi.org/10.3390/ijerph16244897>
- Lamon, S., Morabito, A., Arentson-Lantz, E., Knowles, O., Vincent, G. E., Condo, D., Alexander, S. E., Garnham, A., Paddon-Jones, D., & Aisbett, B. (2021). The effect of acute sleep deprivation on skeletal muscle protein synthesis and the hormonal environment. *Physiological Reports*, 9(1). <https://doi.org/10.14814/PHY2.14660>
- Limpawattana, P., Kotruchin, P., & Pongchaiyakul, C. (2015). Sarcopenia in Asia. *Osteoporosis and Sarcopenia*, 1(2), 92–97. <https://doi.org/10.1016/J.AFOS.2015.10.001>
- Lipina, C., & Hundal, H. S. (2017). Lipid modulation of skeletal muscle mass and function. *Journal of Cachexia, Sarcopenia and Muscle*, 8(2), 190–201. <https://doi.org/10.1002/JCSM.12144>
- Locquet, M., Beaudart, C., Delandsheere, L., Reginster, J. Y., & Bruyère, O. (2018). Subjective Sleep Quality among Sarcopenic and Non-Sarcopenic Older Adults: Results from the Sarcophage Cohort. *Journal of Frailty and Aging*, 7(3), 176–181. <https://doi.org/10.14283/jfa.2018.13>
- Lohitashwa, R., Kadli, N., Kisan, R., A, S., & Deshpande, D. (2015). Effect of stress on sleep quality in young adult medical students: a cross sectional study. *International Journal of Research in Medical Sciences*, 3(12), 3519–3523. <https://doi.org/10.18203/2320-6012.IJRMS20151391>
- Lok, R., Smolders, K. C. H. J., Beersma, D. G. M., & de Kort, Y. A. W. (2018). Light, Alertness, and Alerting Effects of White Light: A Literature Overview. <https://doi.org/10.1177/0748730418796443>, 33(6), 589–601. <https://doi.org/10.1177/0748730418796443>
- Lundberg, T. R., Feuerbacher, J. F., Sünkeler, M., & Schumann, M. (2022). The Effects of Concurrent Aerobic and Strength Training on Muscle Fiber Hypertrophy: A Systematic Review and Meta-Analysis. *Sports Medicine*, 52(10), 2391–2403. <https://doi.org/10.1007/s40279-022-01688-x>
- Mantua, J., & Spencer, R. M. C. (2017). Exploring the nap paradox: are mid-day sleep bouts a friend or foe? *Sleep Medicine*, 37, 88–97. <https://doi.org/10.1016/J.SLEEP.2017.01.019>

- Marthoenis, M., Martina, M., Alfiandi, R., Dahniar, D., Asnurianti, R., Sari, H., Nassimbwa, J., & Arafat, S. M. Y. (2022). Investigating Body Mass Index and Body Composition in Patients with Schizophrenia: A Case-Control Study. *Schizophrenia Research and Treatment*, 2022. <https://doi.org/10.1155/2022/1381542>
- Marzetti, E., Calvani, R., Tosato, M., Cesari, M., Di Bari, M., Cherubini, A., Collamati, A., D'Angelo, E., Pahor, M., Bernabei, R., & Landi, F. (2017). Sarcopenia: an overview. *Aging Clinical and Experimental Research*, 29(1), 11–17. <https://doi.org/10.1007/S40520-016-0704-5>
- McGlory, C., van Vliet, S., Stokes, T., Mittendorfer, B., & Phillips, S. M. (2019). The impact of exercise and nutrition on the regulation of skeletal muscle mass. *Journal of Physiology*, 597(5), 1251–1258. <https://doi.org/10.1113/JP275443>
- Naruse, M., Vincenty, C. S., Konopka, A. R., Trappe, S. W., Harber, M. P., & Trappe, T. A. (2023). Cycle exercise training and muscle mass: A preliminary investigation of 17 lower limb muscles in older men. *Physiological Reports*, 11(16), 1–14. <https://doi.org/10.14814/phy2.15781>
- Nasution, M. P. R. (2016). *Gambaran Kualitas Tidur pada Siswa/Siswi SMAN 7 Medan* [Universitas Sumatera Utara]. <https://repositori.usu.ac.id/handle/123456789/20350>
- Nurrahman, M. R. (2023). *Hubungan Tingkat Kecemasan terhadap Kualitas Tidur saat Menghadapi Ujian SOCA pada Mahasiswa Fakultas Kedokteran Universitas Pembangunan Nasional “Veteran” Jakarta*. <http://repository.upnvj.ac.id>
- Oshita, K., & Myotsuzono, R. (2021). An association between the physical activity level and skeletal muscle mass index in female university students with a past exercise habituation. *Osteoporosis and Sarcopenia*, 7(4), 146–152. <https://doi.org/10.1016/J.AFOS.2021.10.002>
- Potter, G. D. M., Skene, D. J., Arendt, J., Cade, J. E., Grant, P. J., & Hardie, L. J. (2016). Circadian Rhythm and Sleep Disruption: Causes, Metabolic Consequences, and Countermeasures. *Endocrine Reviews*, 37(6), 584–608. <https://doi.org/10.1210/ER.2016-1083>
- Potter, P. A., Perry, A. G., Stockert, P., & Hall, A. (2020). *Fundamentals of Nursing*. Elsevier.
- Pratiwi, N. W. R. (2019). Hubungan Antara Kebiasaan Konsumsi Fast Food,

Aktivitas Fisik Dan Kejadian Obesitas Pada Anak Sekolah Dasar Di Desa Nyitdah Kabupaten Tabanan. In *Paper Knowledge . Toward a Media History of Documents*. Poltekkes Denpasar.

Putra, R. N., & Amalia, L. (2014). Hubungan Asupan Energi Protein Dan Frekuensi Olahraga Dengan Daya Tahan Kardiorespirasi Dan Massa Otot Pada Mahasiswa Ipb . *Jurnal Gizi Dan Pangan*, 9(1). <https://journal.ipb.ac.id/index.php/jgizipangan/article/view/8260>

Ratnaningtyas, T. O., & Fitriani, D. (2020). Hubungan Kecemasan dengan Kualitas Tidur pada Mahasiswa Tingkat Akhir. *Edu Masda Journal*, 4(1), 21–31. <http://openjournal.masda.ac.id/index.php/edumasda/article/view/4949>

Ratnasari, C. D. (2016). *Gambaran Kualitas Tidur pada Komunitas Game Online Mahasiswa Teknik Elektro Universitas Diponegoro*. Universitas Diponegoro.

Reiss, J., Iglseder, B., Kreutzer, M., Weilbuchner, I., Treschnitzer, W., Kässmann, H., Pirich, C., & Reiter, R. (2016). Case finding for sarcopenia in geriatric inpatients: performance of bioimpedance analysis in comparison to dual X-ray absorptiometry. *BMC Geriatrics*, 16(1). <https://doi.org/10.1186/S12877-016-0228-Z>

Riskawati, Y. K., Prabowo, E. D., & Rasyid, H. Al. (2018). Tingkat Aktivitas Fisik Mahasiswa Program Studi Pendidikan Dokter Tahun Kedua, Ketiga, Keempat [Brawijaya University]. In *Majalah Kesehatan* (Vol. 5, Issue 1). <https://doi.org/10.21776/UB.MAJALAHKESEHATAN.005.01.4>

Rohmah, W. K., & Yunita, D. P. S. (2020). Determinan kualitas tidur pada santri di pondok pesantren. *Higeia Journal of Public Health Research and Development*, 4(3), 649–659.

Rundo, J. V., & Downey, R. (2019). Polysomnography. *Handbook of Clinical Neurology*, 160, 381–392. <https://doi.org/10.1016/B978-0-444-64032-1.00025-4>

Sarfriyanda, J., Karim, D., & Dewi, A. P. (2016). Hubungan antara Kualitas Tidur dan Kuantitas Tidur dengan Prestasi Belajar Mahasiswa. *Jurnal Online Mahasiswa Program Studi Ilmu Keperawatan Universitas Riau*, 2(2), 1178–1185.

Sayisvir, N. F. (2019). *Hubungan Aktivitas Fisik dengan Komposisi Tubuh pada Lansia di Komunitas Lansia RSUP Dr. Mohammad Hoesin Palembang*. Universitas Sriwijaya.

- Septiadi, W., & Aryani, M. (2018). Profil Tingkat Kebugaran Jasmani Mahasiswa Pjkr Universitas Suryakencana. *MAENPO*, 8(1), 81. <https://doi.org/10.35194/JM.V8I1.919>
- Sherwood, L. (2018). *Fisiologi Manusia Dari Sel Ke Sistem Edisi 9*. EGC.
- Silvani, M. I., Werder, R., & Perret, C. (2022). The influence of blue light on sleep, performance and wellbeing in young adults: A systematic review. *Frontiers in Physiology*, 13. <https://doi.org/10.3389/FPHYS.2022.943108>
- Soe, P. P., Hnin, Z. L., Hlaing, T., & Min, H. (2022). Changes in physical activity, dietary and sleeping pattern among the general population in COVID-19: A systematic review protocol. *PLoS ONE*, 17(6). <https://doi.org/10.1371/JOURNAL.PONE.0269202>
- Song, J., Park, S. J., Choi, S., Han, M., Cho, Y., Oh, Y. H., & Park, S. M. (2023). Effect of changes in sleeping behavior on skeletal muscle and fat mass: a retrospective cohort study. *BMC Public Health*, 23(1), 1879. <https://doi.org/10.1186/s12889-023-16765-7>
- Stefanaki, C., Pervanidou, P., Boschiero, D., & Chrousos, G. P. (2018). Chronic stress and body composition disorders: implications for health and disease. *Hormones*, 17(1), 33–43. <https://doi.org/10.1007/S42000-018-0023-7/FIGURES/1>
- Stelmach, M. (2018). Physical Activity Assessment Tools In Monitoring Physical Activity: The Global Physical Activity Questionnaire (Gpaq), The International Physical Activity Questionnaire (Ipaq) Or Accelerometers-Choosing The Best Tools . *Health Prob Civil*, 12(1). <https://doi.org/10.5114/hpc.2018.74189>
- Stich, F. M., Huwiler, S., D’hulst, G., & Lustenberger, C. (2022). The Potential Role of Sleep in Promoting a Healthy Body Composition: Underlying Mechanisms Determining Muscle, Fat, and Bone Mass and Their Association with Sleep. *Neuroendocrinology*, 112(7), 673–701. <https://doi.org/10.1159/000518691>
- Suhada, P. D., Widyastuti, N., Candra, A., & Syauqy, A. (2021). Korelasi Aktivitas Fisik dan Persen Lemak Tubuh dengan Indikator Sarkopenia. *Center of Nutrition Research (CENURE)*, 5 (1), 15–22. <https://doi.org/10.20473/amnt.v5i1>
- Suharyati. (2019). *Penuntun Diet dan Terapi Gizi: Persatuan Ahli Gizi Indonesia*

*dan Asosiasi Dietisien Indonesia*. Penerbit Buku Kedokteran EGC.

Tanita. (2021). *Professional Products*.

Teh, C. H., Lim, K. K., Chan, Y. Y., Lim, K. H., Azahadi, O., Hamizatul Akmar, A. H., Ummi Nadiah, Y., Syafinaz, M. S., Kee, C. C., Yeo, P. S., & Fadhli, Y. (2014). The prevalence of physical activity and its associated factors among Malaysian adults: findings from the National Health and Morbidity Survey 2011. *Public Health*, *128*(5), 416–423. <https://doi.org/10.1016/J.PUHE.2013.10.008>

UPNVJ, F. K. (2022). *Pedoman Akademik Program Studi Kedokteran Program Sarjana (PSKPS) Fakultas Kedokteran UPN "Veteran" Jakarta Tahun 2022/2023*.

Wahyuhandhini, R., Nurdiati, R. D. S., & Huriyati, E. (2017). *Uji Diagnostik Food Frequency Questionnaire (FFQ) dan 24-Hours Food Recall dalam Penilaian Status Anemia pada Ibu Hamil*. Universitas Gadjah Mada.

Walvekar, S. S., Ambekar, J. G., & Devaranavadagi, B. B. (2015). Study on Serum Cortisol and Perceived Stress Scale in the Police Constables. *Journal of Clinical and Diagnostic Research: JCDR*, *9*(2), BC10. <https://doi.org/10.7860/JCDR/2015/12015.5576>

Watson, N. F., Badr, M. S., Belenky, G., Bliwise, D. L., Buxton, O. M., Buysse, D., Dinges, D. F., Gangwisch, J., Grandner, M. A., Kushida, C., Malhotra, R. K., Martin, J. L., Patel, S. R., Quan, S. F., Tasali, E., Twery, M., Croft, J. B., Maher, E., Barrett, J. A., ... Heald, J. L. (2015). Recommended Amount of Sleep for a Healthy Adult: A Joint Consensus Statement of the American Academy of Sleep Medicine and Sleep Research Society. *Sleep*, *38*(6), 843–844. <https://doi.org/10.5665/SLEEP.4716>

WHO. (2020). *WHO Guidelines on Physical Activity and Sedentary Behaviour*. <https://www.ncbi.nlm.nih.gov/books/NBK566046/>

WHO. (2022, October 5). *Physical activity*. <https://www.who.int/news-room/fact-sheets/detail/physical-activity>

Wicaksono, A., & Handoko, W. (2020). *Aktivitas Fisik dan Kesehatan* (Issue Februari). <https://www.researchgate.net/publication/353605384>

Wichniak, A., Wierzbicka, A., Wałęcka, M., & Jernajczyk, W. (2017). Effects of Antidepressants on Sleep. *Current Psychiatry Reports*, *19*(9).

<https://doi.org/10.1007/S11920-017-0816-4>

- Widhiyanti, K. A. T., Ariawati, N. W., & Rusitayanti, N. W. (2017). Pemberian Back Massage Durasi 60 Menit dan 30 Menit Meningkatkan Kualitas Tidur pada Mahasiswa VI A Penjaskesrek FPOK IKIP PGRI Bali Semester Genap Tahun 2016/2017. *Jurnal Pendidikan Kesehatan Rekreasi*, 3(1), 9–18.
- Wilkinson, D. J., Piasecki, M., & Atherton, P. J. (2018). The age-related loss of skeletal muscle mass and function: Measurement and physiology of muscle fibre atrophy and muscle fibre loss in humans. *Ageing Research Reviews*, 47(May), 123–132. <https://doi.org/10.1016/j.arr.2018.07.005>
- Yoshida, T., & Delafontaine, P. (2020). Mechanisms of IGF-1-Mediated Regulation of Skeletal Muscle Hypertrophy and Atrophy. *Cells*, 9(9). <https://doi.org/10.3390/CELLS9091970>