

DAFTAR PUSTAKA

- Adigüzel, I., Onmuş, I. R. D., Mandiracıoğlu, A., & Öcek, Z. A. (2021). Adaptation Of The Global Physical Activity Questionnaire (GPAQ) Into Turkish: A Validation And Reliability Study. In *Turkish Journal Of Physical Medicine And Rehabilitation* (Vol. 67, Issue 2, pp. 175–186). Turkish Society of Physical Medicine and Rehabilitation. <https://doi.org/10.5606/TFTRD.2021.1675>
- Alansare, A. B., Bates, L. C., Stoner, L., Kline, C. E., Nagle, E., Richard Jennings, J., Hanson, E. D., Faghy, M. A., & Gibbs, B. B. (2021). Associations Of Sedentary Time With Heart Rate And Heart Rate Variability In Adults: A Systematic Review And Meta-Analysis Of Observational Studies. In *International Journal of Environmental Research and Public Health* (Vol. 18, Issue 16). MDPI. <https://doi.org/10.3390/ijerph18168508>
- Ambarwati, P. D., Pinilih, S. S., & Astuti, R. T. (2017). Gambaran Tingkat Stres Mahasiswa. In *Jurnal Keperawatan Jiwa* (Vol. 5, Issue 1).
- Andriani, Rina. Suhrawardi. Hapisah. (2022). Hubungan Tingkat Pengetahuan Dan Sikap Remaja Dengan Perilaku Seksual Pranikah.
- Arakaki, X., Arechavala, R. J., Choy, E. H., Bautista, J., Bliss, B., Molloy, C., Wu, D. A., Shimojo, S., Jiang, Y., Kleinman, M. T., & Kloner, R. A. (2023). The Connection Between Heart Rate Variability (HRV), Neurological Health, And Cognition: A Literature Review. In *Frontiers in Neuroscience* (Vol. 17). Frontiers Media S.A. <https://doi.org/10.3389/fnins.2023.1055445>
- Attar, E. T., Balasubramanian, V., Subasi, E., & Kaya, M. (2021). Stress Analysis Based on Simultaneous Heart Rate Variability and EEG Monitoring. *IEEE Journal of Translational Engineering in Health and Medicine*, 9. <https://doi.org/10.1109/JTEHM.2021.3106803>
- Baritaki, S., de Bree, E., Chatzaki, E., & Pothoulakis, C. (2019). Chronic Stress, Inflammation, And Colon Cancer: A Crh System-Driven Molecular Crosstalk. In *Journal of Clinical Medicine* (Vol. 8, Issue 10). MDPI. <https://doi.org/10.3390/jcm8101669>
- Bhar, D., Bagepally, B. S., & Rakesh, B. (2022). Association Between Chronotype And Cardio-Vascular Disease Risk Factors: A Systematic Review And Meta-Analysis. In *Clinical Epidemiology and Global Health* (Vol. 16). Elsevier B.V. <https://doi.org/10.1016/j.cegh.2022.101108>
- Black, N., D'Souza, A., Wang, Y., Piggins, H., Dobrzynski, H., Morris, G., & Boyett, M. R. (2019). Circadian Rhythm Of Cardiac Electrophysiology, Arrhythmogenesis,

And The Underlying Mechanisms. *Heart Rhythm*, 16(2), 298–307. <https://doi.org/10.1016/j.hrthm.2018.08.026>

Boone, T., Review Board Todd Astorino, M., Baker, J., Brock, S., Dalleck, L., Goulet, E., Gotshall, R., Hutchison, A., Knight-Malone, M., Kravitz, L., Laskin, J., Aun Lim, Y., Lowery, L., Marks, D., Mermier, C., Robergs, R., Vella, C., Wagner, D., Wyatt, F., Willis, M. S. (2013). Journal Of Exercise Physiologyonline Volume 16 Number 3 Editor-In-Chief Heart Rate Variability (HRV) As A Tool For Diagnostic And Monitoring Performance In Sport And Physical Activities.

Brainard, J., Gobel, M., Bartels, K., Scott, B., Koeppen, M., & Eckle, T. (2015). Circadian Rhythms In Anesthesia And Critical Care Medicine: Potential Importance Of Circadian Disruptions. In *Seminars in Cardiothoracic and Vascular Anesthesia* (Vol. 19, Issue 1, pp. 49–60). SAGE Publications Inc. <https://doi.org/10.1177/1089253214553066>

Catai, A. M., Pastre, C. M., Godoy, M. F. de, Silva, E. da, Takahashi, A. C. de M., & Vanderlei, L. C. M. (2020). Heart Rate Variability: Are You Using It Properly? Standardisation Checklist Of Procedures. In *Brazilian Journal of Physical Therapy* (Vol. 24, Issue 2, pp. 91–102). Revista Brasileira de Fisioterapia. <https://doi.org/10.1016/j.bjpt.2019.02.006>

Chu, B., Marwaha, K., Sanvictores, T., & Ayers, D. (2022). Physiology, Stress Reaction. <https://pubmed.ncbi.nlm.nih.gov/31082164/>

Chung, M.-H., Terry BJ Kuo, Nanly Hsu, Hsin Chu, Kuei-Ru Chou, & Cheryl CH Yang. (2009). Sleep And Autonomic Nervous System Changes — Enhanced Cardiac Sympathetic Modulations During Sleep In Permanent Night Shift Nurses. *Scandinavian Journal of Work, Environment & Health*, Vol. 35 No. 3, 180–187.

Corrales, M. M., Torres, B. de la C., Esquivel, A. G., Salazar, M. A. G., & Naranjo Orellana, J. (2012). Normal Values Of Heart Rate Variability At Rest In A Young, Healthy And Active Mexican Population. *Health*, 04(07), 377–385. <https://doi.org/10.4236/health.2012.47060>

Cvijetic, S., Macan, J., Boschiero, D., & Illich, J. Z. (2023). Body Fat And Muscle In Relation To Heart Rate Variability In Young-To-Middle Age Men: A Cross Sectional Study. *Annals of Human Biology*, 50(1), 108–116. <https://doi.org/10.1080/03014460.2023.2180089>

Daniela, M., Catalina, L., Ilie, O., Paula, M., Daniel-Andrei, I., & Ioana, B. (2022). Effects of Exercise Training on the Autonomic Nervous System with a Focus on Anti-Inflammatory and Antioxidants Effects. In *Antioxidants* (Vol. 11, Issue 2). MDPI. <https://doi.org/10.3390/antiox11020350>

- Dewi, I., & Wuryaningsih, C. (2019). Aktivitas Fisik Masyarakat Urban di Jakarta Selatan. *Pasca UNHAS*, 1(1).
- <http://pasca.unhas.ac.id/ojs/index.php/hjm/article/view/1790>
- 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>
- Fazriani, A. (2023). Hubungan Antara Massa Otot Dan Fungsi Kognitif Pada Mahasiswa Kedokteran. In *Jakarta, Fakultas Kedokteran*. www.upnvj.ac.id-www.library.upnvj.ac.id-www.repository.upnvj.ac.id
- Ferraro, E., Giannmarioli, A. M., Chiandotto, S., Spoletini, I., & Rosano, G. (2014). Exercise-Induced Skeletal Muscle Remodeling And Metabolic Adaptation: Redox Signaling And Role Of Autophagy. *Antioxidants and Redox Signaling*, 21(1), 154–176. <https://doi.org/10.1089/ars.2013.5773>
- Fiana, D. N., Putri, S., Berawi, K., Wintoko, R., & Rahmayani, F. (2023). Hubungan Massa Otot Dengan Vo 2 Max Pada Mahasiswa Fakultas Kedokteran Universitas Lampung Dengan Metode Balke Test. *Jurnal Kedokteran Unila*, 7(2).
- Gomes, J. R. M., Santos, F. K. F., de Freitas, I. F. M., de Oliveira, I. F., dos Santos, H. A., da Silva, J. C., Pai, J. D., Zambrano, L. I., Filho, E. M. T., & Costa, M. V. (2017). The Assessment of Medical Students' Chronotypes. *World Journal of Neuroscience*, 07(03), 275–281. <https://doi.org/10.4236/wjns.2017.73023>
- Guspriyadi, D., & Yuniar, C. (2014). Analisis Tingkat Stres Dan Tingkat Kelelahan Masinis Berdasarkan Heart Rate Variability. *Jurusan Teknik Industri Itenas*, 2(2).
- Hartono, T. Leo., Setiaji, F. Dalu., & Setyawan, I. (2013). Alat Bantu Analisis Heart Rate Variability. *Techne Jurnal Ilmiah Elektronika*, 12(2), 141-157.
- Heriady, J. R. H., Endang Suherlan, & Yulianti, A. B. (2023). Aktifitas Fisik Mahasiswa Fakultas Kedokteran: Apakah Mempengaruhi Kualitas Tidur? *Bandung Conference Series: Medical Science*, 3(1). <https://doi.org/10.29313/bcsm.v3i1.6016>
- Hulsegege, G., Gupta, N., Proper, K. I., van Lobenstein, N., IJzelenberg, W., Hallman, D. M., Holtermann, A., & van der Beek, A. J. (2018). Shift Work Is Associated With Reduced Heart Rate Variability Among Men But Not Women. *International Journal of Cardiology*, 258, 109–114. <https://doi.org/10.1016/j.ijcard.2018.01.089>
- I Gde Arya Dharmika Palguna, I. P. G. A. M. K. D. (2020). Hubungan Motivasi Melakukan Aktivitas Fisik Dengan Tingkat Aktivitas Fisik Mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Udayana. <https://doi.org/10.24843.MU.2020.V9.i8.P03>

- Immanuel, S., Teferra, M. N., Baumert, M., & Bidargaddi, N. (2023). Heart Rate Variability for Evaluating Psychological Stress Changes in Healthy Adults: A Scoping Review. In *Neuropsychobiology* (Vol. 82, Issue 4, pp. 187–202). S. Karger AG. <https://doi.org/10.1159/000530376>
- Kalangi, S. J. R. (2014). Perubahan Otot Rangka Pada Olahraga. *Jurnal Biomedik (JBM)*, 6(3), 172-178.
- Kemenkes RI. (2018). Hasil Utama Rskesdas 2018. https://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-rskesdas-2018_1274.pdf
- Kemenkes RI. (2021). Penyakit Jantung Koroner Didominasi Masyarakat Kota. <https://sehatnegeriku.kemkes.go.id/baca/umum/20210927/5638626/penyakit-jantung-koroner-didominasi-masyarakat-kota/>
- Kim, H. G., Cheon, E. J., Bai, D. S., Lee, Y. H., & Koo, B. H. (2018). Stress And Heart Rate Variability: A Meta-Analysis And Review Of The Literature. In *Psychiatry Investigation* (Vol. 15, Issue 3, pp. 235–245). Korean Neuropsychiatric Association. <https://doi.org/10.30773/pi.2017.08.17>
- Kluttig, A., Schumann, B., Swenne, C. A., Kors, J. A., Kuss, O., Schmidt, H., Werdan, K., Haerting, J., & Greiser, K. H. (2010). Association Of Health Behaviour With Heart Rate Variability: A population-based study. *BMC Cardiovascular Disorders*, 10. <https://doi.org/10.1186/1471-2261-10-58>
- Kubota, Y., Chen, L. Y., Whitsel, E. A., & Folsom, A. R. (2017). Heart Rate Variability And Lifetime Risk Of Cardiovascular Disease: The Atherosclerosis Risk In Communities Study. *Annals of Epidemiology*, 27(10), 619-625.e2. <https://doi.org/10.1016/j.annepidem.2017.08.024>
- Kusumo, M. Prasetyo. (2020). Buku Pemantauan Aktivitas Fisik. Yogyakarta: The Journal Publishing. <https://www.researchgate.net/publication/350965519>
- LeBouef, T. Y. Z. W. L. (2022). Physiology, Autonomic Nervous System. <https://pubmed.ncbi.nlm.nih.gov/30860751/>
- Legiran, M. Z. A. N. B. (2015). Faktor Risiko Stres dan Perbedaannya pada Mahasiswa Berbagai Angkatan di Fakultas Kedokteran Universitas Muhammadiyah Palembang. *Jurnal Kedokteran dan Kesehatan*, 2(2), 197-202.
- Loimaala, A., Huikuri, H., Oja, P., Pasanen, M., & Vuori, I. (2000). Controlled 5-Mo Aerobic Training Improves Heart Rate But Not Heart Rate Variability Or Baroreflex Sensitivity. <http://www.jap.org>
- Lumban Gaol, N. T. (2016). Teori Stres: Stimulus, Respons, dan Transaksional. *Buletin Psikologi*, 24(1), 1. <https://doi.org/10.22146/bpsi.11224>

- M. Sopiyudin Dahlan. (2011). Statistik untuk Kedokteran dan Kesehatan. Salemba Medika. <http://www.penerbitsalemba.com>
- Mahmud, R., & Zahrotul Uyun, D. (2016). Studi Deskriptif Mengenai Pola Stres Pada Mahasiswa Praktikum. In *Jurnal Indigenous* (Vol. 1, Issue 2).
- Merikanto, I., Lahti, T., Puolijoki, H., & Vanhala, M. (2013). Associations of Chronotype and Sleep With Cardiovascular Diseases and Type 2 Diabetes. *The Journal of Biological and Medical Rhythm Research, Volume 30*(Issue 4), 470–477.
- Musabiq, S. A., & Karimah, I. (2018). Gambaran Stress Dan Dampaknya Pada Mahasiswa Description Of Stress And Its Impact On Students. *InSight*, 20(2).
- Muthouwali, A., Riyadi, M., & Prakoso, T. (2017). Rancang Bangun Alat Pengukur Persentase Lemak Tubuh Dengan Metode Whole Body Measurement Bioelectrical Impedance Analysis (Bia) Empat Elektroda Dengan Saklar Otomatis Berbasis Mikrokontroler Atmega 32. *Transmisi*, 19(2).
- Narendra, M. B. S. T. S. Soetjiningsih. S. Hariyono. R. IG. N. Gde. W. Sambas. (2002). Tumbuh Kembang Anak dan Remaja Buku Ajar II Edisi Pertama Tahun 2002 (1st ed.). Jakarta: CV. Sagung Seto.
- Nataraj, M., Sinha, M. K., Bhat, A., & Vaishali, K. (2022). Correlation Between Physical Activity, Cardiorespiratory Fitness And Heart Rate Variability Among Young Overweight Adults. *Journal of Taibah University Medical Sciences*, 17(2), 304–310. <https://doi.org/10.1016/j.jtumed.2021.11.011>
- Noto, R. E.; L. Logan.; E. M. Ann. (2022). Physiology, Muscle. <https://pubmed.ncbi.nlm.nih.gov/30335291/>
- Ostberg, O., & Horne, J. A. (1976). A Self Assessment Questionnaire to Determine Morningness Eveningness in Human Circadian Rhythms A now sleeping research approach on Visual Ergonomics View project. In *Article in International Journal of Chronobiology* (Vol. 5). <https://www.researchgate.net/publication/22126774>
- P2PTM Kemenkes RI. (2018). Manfaat Aktivitas Fisik. <https://p2ptm.kemkes.go.id/infographic-p2ptm/hipertensi-penyakit-jantung-dan-pembuluh-darah/manfaat-aktivitas-fisik>
- P2PTM Kemenkes RI. (2020). Apakah Yang Dimaksud Stres Itu? <https://p2ptm.kemkes.go.id/infographic-p2ptm/stress/apakah-stres-itu>
- Pradana, F. S. A. (2021). Malas Gerak Sebagai Faktor Risiko Penyakit Jantung. https://yankes.kemkes.go.id/view_artikel/1910/malas-gerak-sebagai-faktor-risiko-penyakit-jantung
- Pradipta, B. (2020). Prototipe Aplikasi Pengolahan Sinyal HRV Menggunakan Matlab.

- Punita, P., Saranya, K., Chandrasekar, M., & Kumar, S. S. (2016). Gender Difference In Heart Rate Variability In Medical Students And Association With The Level Of Stress. *National Journal of Physiology, Pharmacy and Pharmacology*, 6(5), 431–437. <https://doi.org/10.5455/njppp.2016.6.0102325042016>
- Purnami, C. T., & Sawitri, D. R. (2019). Instrumen “Perceive Stress Scale” Online Sebagai Alternatif Alat Pengukur Tingkat Stress Secara Mudah Dan Cepat. Seminar Nasional Kolaborasi Pengabdian Kepada Masyarakat UNDIP-UNNES 2019.
- Ratrin, A. F., Wilson, W., & Ilmiawan, M. I. (2021). Hubungan Antara Chronotype Dengan Tingkat Gejala Depresi Pada Mahasiswa Kedokteran Tingkat Pertama Di Fakultas Kedokteran Universitas Tanjungpura. *Jurnal Cerebellum*, 6(3), 66. <https://doi.org/10.26418/jc.v6i3.45311>
- Reddy, Sujana. R. Vamsi. S. Sandeep. (2022). Physiology, Circadian Rhythm. <https://www.ncbi.nlm.nih.gov/books/NBK519507/>
- Riskawati, Y. K., Damar Prabowo, E., & Al Rasyid, H. (2018). Tingkat Aktivitas Fisik Mahasiswa Program Studi Pendidikan Dokter Tahun Kedua, Ketiga, Keempat. Majalah Kesehatan, 5(1).
- Rodriguez-Araujo, G., & Nakagami, H. (2018). Pathophysiology Of Cardiovascular Disease In Diabetes Mellitus. In *Cardiovascular Endocrinology and Metabolism* (Vol. 7, Issue 1, pp. 4–9). Lippincott Williams and Wilkins. <https://doi.org/10.1097/XCE.0000000000000141>
- Roeser, K., Obergfell, F., Meule, A., & Schlarb, A. A. (2012). Of Larks And Hearts — Morningness/Eveningness, Heart Rate Variability And Cardiovascular Stress Response At Different Times Of Day. *Physiology & Behavior*, Volume 106(Issue 2), 151–157.
- Romadhon, Y. A., & Abdussalaam, A. H. (2019). Studi Kronotipe Pada Komunitas Muslim Indonesia Chronotype Study In Moslem Community In Indonesia. The 9th University Research Colloquium 2019 Universitas Muhammadiyah Purworejo.
- Rulandani, R., Wijayanegara, H., & Hikmawati, D. (2015). Hubungan Usia, Jenis Kelamin, Tekanan Darah, dan Dislipidemia dengan Penyakit Jantung Koroner. Prosiding Pendidikan Dokter Universitas Islam Bandung.
- Salima, Z. (2022). Hubungan Motivasi Berolahraga Dengan Tingkat Aktivitas Fisik Pada Mahasiswa Preklinik Fakultas Kedokteran Uin Syarif Hidayatullah Jakarta Tahun Ajaran 2021/2022.
- Saputri, B. C., & Lontoh, S. O. (2023). Pengaruh Aktivitas Fisik Terhadap Kualitas Tidur Pada Mahasiswa/i Fakultas Kedokteran. In *JKKT Jurnal Kesehatan dan Kedokteran Tarumanagara* (Vol. 2, Issue 1).

- Shaffer, F., & Ginsberg, J. P. (2017). An Overview of Heart Rate Variability Metrics and Norms. In *Frontiers in Public Health* (Vol. 5). Frontiers Media S.A. <https://doi.org/10.3389/fpubh.2017.00258>
- Soares-Miranda, L., Sattelmair, J., Chaves, P., Duncan, G. E., Siscovick, D. S., Stein, P. K., & Mozaffarian, D. (2014). Physical Activity And Heart Rate Variability In Older Adults: The Cardiovascular Health Study. *Circulation*, 129(21), 2100–2110. <https://doi.org/10.1161/CIRCULATIONAHA.113.005361>
- Soethama, G., Silakarma, D., & Wiryanthini, I. (2016). Pengaruh Latihan Beban Terhadap Peningkatan Massa Otot Pectorals Mayor Dan Biceps Pada Remaja Dan Dewasa. *Majalah Ilmiah Fisioterapi Indonesia*, 2(1), 52-57.
- Souza, H. C. D., Philbois, S. V., Veiga, A. C., & Aguilar, B. A. (2021). Heart Rate Variability and Cardiovascular Fitness: What We Know so Far. In *Vascular health and risk management* (Vol. 17, pp. 701–711). NLM (Medline). <https://doi.org/10.2147/VHRM.S279322>
- Suhada, P., Widystuti, N., Candra, A., & Syauqy, A. (2021). Korelasi Aktivitas Fisik dan Persen Lemak Tubuh dengan Indikator Sarkopenia Correlation Physical Activity and Body Fat Percentage with The Indicators of Sarkopenia. 15–22. <https://doi.org/10.20473/amnt.v5i1>
- Syeftiani, N. (2023). Hubungan Antara Aktivitas Fisik Dan Tingkat Stres Dengan Resting Heart Rate Pada Mahasiswa Fakultas Kedokteran Universitas Pembangunan Nasional “Veteran” Jakarta Tahun 2022. <https://repository.upnvj.ac.id/22271/>
- V, S. (2015). Hubungan Antara Stres Dan Tekanan Darah Tinggi Pada Mahasiswa. *Initisari Sains Medis*, 2(1), 4–7.
- Vitale, J. A., Bonato, M., Torre, A. La, & Banfi, G. (2019). Heart Rate Variability In Sport Performance: Do Time Of Day And Chronotype Play A Role? In *Journal of Clinical Medicine* (Vol. 8, Issue 5). MDPI. <https://doi.org/10.3390/jcm8050723>
- Vondrasek, J. D., Alkahtani, S. A., Al-Hudaib, A. A., Habib, S. S., Al-Masri, A. A., Grosicki, G. J., & Flatt, A. A. (2022). Heart Rate Variability and Chronotype in Young Adult Men. *Healthcare (Switzerland)*, 10(12). <https://doi.org/10.3390/healthcare10122465>
- Voss, A., Schroeder, R., Heitmann, A., Peters, A., & Perz, S. (2015). Short-Term Heart Rate Variability - Influence Of Gender And Age In Healthy Subjects. *PLoS ONE*, 10(3). <https://doi.org/10.1371/journal.pone.0118308>
- Wattanapisit, A., Fungthongcharoen, K., Saengow, U., & Vijitpongjinda, S. (2016). Physical Activity Among Medical Students In Southern Thailand: A Mixed Methods Study. *BMJ Open*, 6(9). <https://doi.org/10.1136/bmjopen-2016-013479>

- WHO. (2010). Global Recommendations On Physical Activity For Health. <https://www.who.int/publications-detail-redirect/9789241599979>
- WHO. (2019). New WHO-led study says majority of adolescents worldwide are not sufficiently physically active, putting their current and future health at risk. <https://www.who.int/news/item/22-11-2019-new-who-led-study-says-majority-of-adolescents-worldwide-are-not-sufficiently-physically-active-putting-their-current-and-future-health-at-risk>
- WHO. (2021). Global Physical Activity Questionnaire (GPAQ) Analysis Guide. <http://www.who.int/chp/steps/GPAQ/en/index.html>
- Won, E., & Kim, Y.-K. (2016). Send Orders for Reprints to reprints@benthamscience.ae Stress, the Autonomic Nervous System, and the Immune-kynurenine Pathway in the Etiology of Depression. *Current Neuropharmacology*, 14, 665–673. <https://doi.org/10.2174/1570159X14666151208113>
- Yusup, R. S. A.. (2023). Hubungan Antara Ketahanan Kardiovaskular Dan Aktivitas Fisik Dengan Tekanan Darah Pada Mahasiswa Usia 18-21 Tahun Di Fakultas Kedokteran Upnvj. In *Fakultas Kedokteran.* www.upnvj.ac.id- www.library.upnvj.ac.id-www.repository.upnvj.ac.id]
- Zheng, K., Wang, Z., Han, P., Chen, C., Huang, C., Wu, Y., Wang, Y., Guo, J., Tao, Q., Zhai, J., Zhao, S., Zhang, J., Shen, N., & Guo, Q. (2023). Lower Heart Rate Variability Is Associated With Loss Of Muscle Mass And Sarcopenia In Community-Dwelling Older Chinese Adults. *Journal of the Formosan Medical Association.* <https://doi.org/10.1016/j.jfma.2023.10.010>