

DAFTAR PUSTAKA

- [1] H. Yang, S. Haldeman, M. L. Lu, dan D. Baker, "Low Back Pain Prevalence and Related Workplace Psychosocial Risk Factors: A Study Using Data From the 2010 National Health Interview Survey," *J Manipulative Physiol Ther*, vol. 39, no. 7, hlm. 459–472, Sep 2016, doi: 10.1016/j.jmpt.2016.07.004.
- [2] N. D. Utami dan S. KM. , M. E. D. F. Syarifah Has, "Hubungan Sikap Kerja Dengan Kelelahan Otot Punggung Pada Karyawan Proses Packing Pt. Bagindo Tuban," *Journal of Public Health Science Research*, vol. 4, no. 1, Mei 2023, doi: 10.30587/jphsr.v4i1.5633.
- [3] L. Smith, "19 Back Injury Statistics: How Many Back Injuries Occur Each Year?," September 2022.
- [4] E. E. Suryawijaya, Y. M. T. Siahaan, I. P. F. Purba, dan V. Hartoyo, "Factors Contributing to Incidence of Low Back Pain in Healthcare Workers in Siloam Hospitals Lippo Village Karawaci," *Neurona*, vol. 38, no. 4, hlm. 286–291, Sep 2021.
- [5] World Health Organization, "Low back pain," Juni 2023.
- [6] S. Standring, *Gray's Anatomy: The Anatomical Basis of Clinical Practice*, 41 ed. Elsevier, 2016.
- [7] K. L. Moore, A. F. Dalley, dan A. M. R. Agur, *Clinically Oriented Anatomy*, 8 ed. Wolters Kluwer, 2018.
- [8] Kenhub, "Latissimus dorsi muscle," 2024. [Daring]. Tersedia pada: <https://www.kenhub.com/en/library/anatomy/latissimus-dorsi-muscle>
- [9] R. L. Drake, W. Vogl, dan A. W. M. Mitchell, *Gray's Anatomy for Students*, 4 ed. Elsevier, 2020.
- [10] Cleveland Clinic, "Skeletal Muscle (Striated Muscle): What It Is & Function," 2025. [Daring]. Tersedia pada: <https://my.clevelandclinic.org/health/body/21787-skeletal-muscle>
- [11] C. McCuller, R. Jessu, dan A. L. Callahan, "Physiology, Skeletal Muscle," dalam *StatPearls [Internet]*, Treasure Island, FL: StatPearls Publishing, 2025.
- [12] SEER Training, "Structure of Skeletal Muscle," 2025. [Daring]. Tersedia pada: <https://training.seer.cancer.gov/anatomy/muscular/structure.html>
- [13] Physiopedia contributors, "Latissimus Dorsi Muscle," 2025. [Daring]. Tersedia pada: https://www.physio-pedia.com/Latissimus_Dorsi_Muscle

- [14] C. Pedret, R. Balius, dan F. Idoate, "Sonography and MRI of latissimus dorsi strain injury in four elite athletes," *Skeletal Radiol*, vol. 40, no. 5, hlm. 603–608, Mei 2011, doi: 10.1007/s00256-010-1007-0.
- [15] Bodyworks Prime, "Latissimus Dorsi," 2025. [Daring]. Tersedia pada: <https://bodyworksprime.com/muscles/latissimus-dorsi>
- [16] Els Belles Fitness, "Latissimus Dorsi image / illustration," 2025. [Daring]. Tersedia pada: <https://elsbellesfitness.co.uk/exercise-videos/back/latissimus-dorsi/latissimus-dorsi/>
- [17] M. Jana Vasković, "Overview of the back muscles," *kenhub.com*.
- [18] Mayo Clinic Staff, "Muscle Strains – Symptoms and Causes," 2022. [Daring]. Tersedia pada: <https://www.mayoclinic.org/diseases-conditions/muscle-strains/symptoms-causes/syc-20450507>
- [19] V. A. S. Kumar, "Latissimus dorsi muscle strain: causes, symptoms, rehabilitation," Juli 2024. [Daring]. Tersedia pada: <https://www.narayanahealth.org/blog/latissimus-dorsi-muscle-strain-causes-symptoms-rehabilitation>
- [20] J. Chertoff, "Latissimus Dorsi Pain," Mei 2023. [Daring]. Tersedia pada: <https://www.healthline.com/health/latissimus-dorsi-pain>
- [21] Boca Raton Spine Center, "Back Muscle Strain | Top Spine Specialists," 2025. [Daring]. Tersedia pada: <https://www.bocaratonspinecenter.com/muscle-strain/>
- [22] Vecteezy, "Muscle Strain Grading Science Design Illustration Diagram," 2025. [Daring]. Tersedia pada: <https://www.vecteezy.com/vector-art/45756099-muscle-strain-grading-science-design-illustration-diagram>
- [23] S. Noor, L. Handoko, dan H. Natsir, "Analisa Beban Pekerjaan Manual Handling Pada Unit Produksi Wp Plan Dengan Menggunakan Metode Recommended Weight Limit (RWL) ," *Proceeding 2nd Conference On Safety Engineering* , vol. ISSN No. 2581 –1770, Okt 2018.
- [24] B. Widjasena, S. Jayanti, M. Fakultas Kesehatan Masyarakat Universitas Diponegoro, dan S. Pengajar Bagian Keselamatan dan Kesehatan Kerja Fakultas Kesehatan, "Hubungan Beban Kerja, Postur Dan Durasi Jam Kerja Dengan Keluhan Nyeri Leher Pada Porter Di Pelabuhan Penyeberangan Ferry Merak-Banten," 2017. [Daring]. Tersedia pada: <http://ejournal3.undip.ac.id/index.php/jkm>
- [25] National Institute for Occupational Safety dan H. (NIOSH), "Revised NIOSH Lifting Equation," Februari 2024. [Daring]. Tersedia pada: <https://www.cdc.gov/niosh/ergonomics/about/rnle.html>

- [26] R. E. Ferliati, "Formulasi dan Uji Aktivitas Krim dari Kinin Sulfat sebagai Anti Kram Otot," 2019. [Daring]. Tersedia pada: <https://repository.ump.ac.id/9372/>
- [27] Halodoc, "Paramex Nyeri Otot 4 Tablet," 2025. [Daring]. Tersedia pada: <https://www.halodoc.com/obat-dan-vitamin/paramex-nyeri-otot-4-tablet>
- [28] K. M. Prasanna, R. Raagini, K. Sadhana, dan J. Revathi, "Wearable Device for Early Detection of Muscle Cramp with Heating Pad," dalam *2023 International Conference on Bio Signals, Images, and Instrumentation (ICBSII)*, 2023, hlm. 1–5. doi: 10.1109/ICBSII58188.2023.10181084.
- [29] A. J. Casson, "Wearable EEG and beyond," *Biomed Eng Lett*, vol. 9, no. 1, hlm. 53–71, 2019, doi: 10.1007/s13534-018-00093-6.
- [30] A. Phinyomark dan E. Scheme, "EMG pattern recognition in the era of big data and deep learning," 1 September 2018, *MDPI*. doi: 10.3390/bdcc2030021.
- [31] F. Sadikoglu, C. Kavalcioglu, dan B. Dagman, "Electromyogram (EMG) signal detection, classification of EMG signals and diagnosis of neuropathy muscle disease," dalam *Procedia Computer Science*, Elsevier B.V., 2017, hlm. 422–429. doi: 10.1016/j.procs.2017.11.259.
- [32] C. Drewes, "Association for Biology Laboratory Education (ABLE) ~ Electromyography: Recording Electrical Signals from Human Muscle." [Daring]. Tersedia pada: <http://www.zoo.utoronto.ca/ablehttp://www.mbb.iastate.edu/htm/drewes.html>
- [33] I. M. A. Noviana Sulistyawati dan N. U. R. Kholis, "Rancang Bangun Elektromiograf (Emg) Berbasis Mikrokontroler Untuk Mendeteksi Cedera Otot Pada Pergelangan Kaki (Ankle)," *JURNAL TEKNIK ELEKTRO*, vol. 8, no. 3, Jul 2019, doi: 10.26740/jte.v8n3.p%p.
- [34] R. D. Patterson, "Auditory warning sounds in the work environment 485," 1990.
- [35] ElectronicsComp, "EMG Muscle Sensor Module V3.0 With Cable And Electrodes." [Daring]. Tersedia pada: <https://www.electroniccomp.com/emg-muscle-sensor-module-v3-with-cable-and-electrodes>
- [36] Advancer Technologies, "Getting Started Using Two 9V Batteries," 2013. [Daring]. Tersedia pada: www.AdvancerTechnologies.com
- [37] Arduino, "Arduino® Nano."
- [38] Chip Electronics, "Official Arduino Nano." [Daring]. Tersedia pada: <https://chip.mn/electronic-board/official-arduino-nano>

- [39] E. T. C. (all-datasheet.com), "Arduino Nano datasheet — image," Agustus 2025. [Daring]. Tersedia pada: <https://www.alldatasheet.com/datasheet-pdf/view/1424860/ETC/ARDUINO-NANO.html>
- [40] J. M. Mendel, "Fuzzy Logic Systems for Engineering: A fitorial," 1995.
- [41] L. A. Zadeh, "Fuzzy Logic," *Computer (Long Beach Calif)*, vol. 21, no. 4, hlm. 83–93, Apr 1988, doi: 10.1109/2.53.
- [42] M. Jørgensen dan M. Shepperd, "A Systematic Review of Software Development Cost Estimation Studies," 2007. [Daring]. Tersedia pada: www.simula.no/BESTweb
- [43] F. N. D. Fatimah, *Teknik analisis SWOT*. Anak Hebat Indonesia, 2016.
- [44] G. T. Friedlob dan F. J. Plewa Jr, *Understanding return on investment*. John Wiley & Sons, 1996.
- [45] S. Seneviratne dkk., "A Survey of Wearable Devices and Challenges," 1 Oktober 2017, *Institute of Electrical and Electronics Engineers Inc*. doi: 10.1109/COMST.2017.2731979.
- [46] K. S. Park, "Electrical Signals from the Muscles and Nerves," dalam *Humans and Electricity: Understanding Body Electricity and Applications*, Cham: Springer International Publishing, 2023, hlm. 199–222. doi: 10.1007/978-3-031-20784-6_9.
- [47] I. Saad, N. H. Bais, C. Bun Seng, H. Mohd. Zuhir, dan N. Bolong, "Electromyogram (EMG) signal processing analysis for clinical rehabilitation application," *International Journal of Simulation: Systems, Science and Technology*, vol. 17, no. 34, hlm. 12.1-12.6, 2016, doi: 10.5013/IJSSST.a.17.34.12.
- [48] H. Espitia, J. Soriano, I. Machón, dan H. López, "Design Methodology for the Implementation of Fuzzy Inference Systems Based on Boolean Relations," *Electronics (Basel)*, vol. 8, no. 11, hlm. 1243, 2019, doi: 10.3390/electronics8111243.