

DAFTAR PUSTAKA

- Ardiyanto, 2025. Metode Asesmen dalam Ergonomika. Dalam H. Akbar (Ed.), *Ergonomi Fisiologi Kerja*. CV. Media Sains Surabaya, Bandung.
- Bazarevsky, V., Grishchenko, I., Raveendran, K., Zhu, T., Zhang, F., & Grundmann, M. (2020, June 17). BlazePose: On-device Real-time Body Pose tracking. arXiv.org. <https://arxiv.org/abs/2006.10204>
- Cheisario, H. A., & Wahyuningsih, A. S. (2022). Faktor – faktor yang berhubungan dengan terjadinya keluhan muskuloskeletal disorder pada pekerja di PT. X. *Indonesian Journal of Public Health and Nutrition*, 2(3), 329–338. <https://doi.org/10.15294/ijphn.v2i3.55016>
- Clemente, C., Chambel, G., Silva, D. C. F., Montes, A. M., Pinto, J. F., & Da Silva, H. P. (2023). Feasibility of 3D Body Tracking from Monocular 2D Video Feeds in Musculoskeletal Telerehabilitation. *Sensors*, 24(1), 206. <https://doi.org/10.3390/s24010206>
- Ding, Z., Li, W., Yang, J., Ogunbona, P., & Qin, L. (2023). An attention-based CNN for automatic whole-body postural assessment. *Expert Systems With Applications*, 238, 122391. <https://doi.org/10.1016/j.eswa.2023.122391>
- Dill, S., Rösch, A., Rohr, M., Güney, G., De Witte, L., Schwartz, E., & Antink, C. H. (2023). Accuracy Evaluation of 3D Pose Estimation with MediaPipe Pose for Physical Exercises. *Current Directions in Biomedical Engineering*, 9(1), 563–566. <https://doi.org/10.1515/cdbme-2023-1141>
- Feng, Y., Li, Y., McCoul, D., Qin, S., Jin, T., Huang, B., & Zhao, J. (2020). Dynamic measurement of legs motion in sagittal plane based on soft wearable sensors. *Journal of Sensors*, 2020, 1–10. <https://doi.org/10.1155/2020/9231571>
- Gupta, A., Shrestha, P. L., Thapa, B., Silwal, R., & Shrestha, R. (2023). Knee Flexion/Extension Angle Measurement for Gait Analysis Using Machine Learning Solution “MediaPipe Pose” and Its Comparison with Kinovea®. *IOP Conference Series Materials Science and Engineering*, 1279(1), 012004. <https://doi.org/10.1088/1757-899x/1279/1/012004>
- Hignett, S., & McAtamney, L. (2000). Rapid Entire Body Assessment (REBA). *Applied Ergonomics*, 31(2), 201–205. [https://doi.org/10.1016/s0003-6870\(99\)00039-3](https://doi.org/10.1016/s0003-6870(99)00039-3)
- Handbook of Human Factors and Ergonomics Methods. (2004). In CRC Press eBooks. <https://doi.org/10.1201/9780203489925>
- Hodson, T. O. (2022). Root-mean-square error (RMSE) or mean absolute error (MAE): when to use them or not. *Geoscientific Model Development*, 15(14), 5481–5487. <https://doi.org/10.5194/gmd-15-5481-2022>
- Indonesia, B. P. S. (n.d.). *Proporsi Tenaga Kerja pada Sektor Industri Manufaktur - Tabel Statistik*. Badan Pusat Statistik Indonesia. <https://www.bps.go.id/id/statistics-table/2/MTIxNyMy/proporsi-tenaga-kerja-pada-sektor-industri-manufaktur.html>

- Jeong, S., & Kook, J. (2023). CREBAS: Computer-Based REBA evaluation System for wood manufacturers using MediaPipe. *Applied Sciences*, 13(2), 938. <https://doi.org/10.3390/app13020938>
- Kapse, S., Wu, R., & Thamsuwan, O. (2024). Addressing Ergonomic Challenges in Agriculture through AI-Enabled Posture Classification. *Applied Sciences*, 14(2), 525. <https://doi.org/10.3390/app14020525>
- Karhu, O., Kansi, P., & Kuorinka, I. (1977). Correcting working postures in industry: A practical method for analysis. *Applied Ergonomics*, 8(4), 199–201. [https://doi.org/10.1016/0003-6870\(77\)90164-8](https://doi.org/10.1016/0003-6870(77)90164-8)
- Kee, D. (2022). Systematic comparison of OWAS, RULA, and REBA based on a literature review. *International Journal of Environmental Research and Public Health*, 19(1), 595. <https://doi.org/10.3390/ijerph19010595>
- Kwon, Y., Kim, D., Son, B., Choi, K., Kwak, S., & Kim, T. (2022). A Work-Related Musculoskeletal Disorders (WMSDs) Risk-Assessment System using a Single-View pose Estimation model. *International Journal of Environmental Research and Public Health*, 19(16), 9803. <https://doi.org/10.3390/ijerph19169803>
- LeCun, Y., Bengio, Y., & Hinton, G. (2015). Deep learning. *Nature*, 521(7553), 436–444. <https://doi.org/10.1038/nature14539>
- Libretexts. (2024, November 6). *Arctan vs Arctan2*. Geosciences LibreTexts. https://geo.libretexts.org/Courses/University_of_California_Davis/GEL_056%3A_Introduction_to_Geophysics/Geophysics_is_everywhere_in_geology.../zz%3A_Back_Matter/Arctan_vs_Arctan2
- Lim, B., Jeong, S., & Yoo, Y. (2024). A methodology for estimating the assembly position of the process based on YOLO and regression of operator hand position and time information. *Applied Sciences*, 14(9), 3611. <https://doi.org/10.3390/app14093611>
- Lugaresi, C., Tang, J., Nash, H., McClanahan, C., Uboweja, E., Hays, M., Zhang, F., Chang, C., Yong, M. G., Lee, J., Chang, W., Hua, W., Georg, M., & Grundmann, M. (2019). MediaPipe: A framework for building perception Pipelines. arXiv (Cornell University). <https://doi.org/10.48550/arxiv.1906.08172>
- Manghisi, V. M., Uva, A. E., Fiorentino, M., Bevilacqua, V., Trotta, G. F., & Monno, G. (2017). Real time RULA assessment using Kinect v2 sensor. *Applied Ergonomics*, 65, 481–491. <https://doi.org/10.1016/j.apergo.2017.02.015>
- MassirisFernández, M., Fernández, J. Á., Bajo, J. M., & Delrieux, C. A. (2020). Ergonomic risk assessment based on computer vision and machine learning. *Computers & Industrial Engineering*, 149, 106816. <https://doi.org/10.1016/j.cie.2020.106816>
- McAtamney, L., & Corlett, E. N. (1993). RULA: a survey method for the investigation of work-related upper limb disorders. *Applied Ergonomics*, 24(2), 91–99. [https://doi.org/10.1016/0003-6870\(93\)90080-s](https://doi.org/10.1016/0003-6870(93)90080-s)
- MediaPipe: a framework for perceiving and processing reality*. (n.d.). <http://research.google/pubs/mediapipe-a-framework-for-perceiving-and-processing-reality/>

- Nayak, G. K., & Kim, E. (2021a). Development of a fully automated RULA assessment system based on computer vision. *International Journal of Industrial Ergonomics*, 86, 103218. <https://doi.org/10.1016/j.ergon.2021.103218>
- Nayak, G. K., & Kim, E. (2021b). Development of a fully automated RULA assessment system based on computer vision. *International Journal of Industrial Ergonomics*, 86, 103218. <https://doi.org/10.1016/j.ergon.2021.103218>
- Ono, Y., Prima, O. D. A., & Hosogoe, K. (2021). Evaluations and applications of partial body joint model in 3D human pose estimation from single image. *International Journal on Advances in Life Sciences*, 13(1 & 2), 114.
- Panaite, F. A., Leba, M., & Ionica, A. C. (2024). Assessing CNN architectures for estimating correct posture in cruise machinists. *Eng—Advances in Engineering*, 5(3), 1785–1803. <https://doi.org/10.3390/eng5030094>
- Paudel, P., Kwon, Y., Kim, D., & Choi, K. (2022). Industrial Ergonomics Risk Analysis based on 3D-Human Pose Estimation. *Electronics*, 11(20), 3403. <https://doi.org/10.3390/electronics11203403>
- Satudata Kemnaker | portal data ketenagakerjaan RI. (n.d.). <https://satudata.kemnaker.go.id/infografik/59>
- Savino, M. M., Battini, D., & Riccio, C. (2017). Visual management and artificial intelligence integrated in a new fuzzy-based full body postural assessment. *Computers & Industrial Engineering*, 111, 596–608. <https://doi.org/10.1016/j.cie.2017.06.011>
- Singh, P. (ed.), 2022. *Fundamentals and Methods of Machine and Deep Learning: Algorithms, Tools and Applications*. Hoboken, NJ: John Wiley & Sons, Inc., and Scrivener Publishing LLC.
- Takala, E., Pehkonen, I., Forsman, M., Hansson, G., Mathiassen, S. E., Neumann, W. P., Sjøgaard, G., Veiersted, K. B., Westgaard, R. H., & Winkel, J. (2009). Systematic evaluation of observational methods assessing biomechanical exposures at work. *Scandinavian Journal of Work Environment & Health*, 36(1), 3–24. <https://doi.org/10.5271/sjweh.2876>
- Varas, M., Chang, L., Garcia, J., & Moreira, E. (2024). Risk assessment of musculoskeletal disorders using artificial intelligence. *E3S Web of Conferences*, 532, 02001. <https://doi.org/10.1051/e3sconf/202453202001>
- Waters, T. R., Putz-Anderson, V., Garg, A., & Fine, L. J. (1993). Revised NIOSH equation for the design and evaluation of manual lifting tasks. *Ergonomics*, 36(7), 749–776. <https://doi.org/10.1080/00140139308967940>
- Welsh, T. M., & Chatfield, S. J. (2022). *Within-Subject Research Designs with Musicians*. In Routledge eBooks (pp. 184–196). <https://doi.org/10.4324/9781003153924-15>