

DAFTAR PUSTAKA

- Aliafari, N., Pertiwi, O.R., Anugerah, M.T., Sari, A.D., Diana, Y., Karyawan, P.B.K.T.K. and Housekeeping, D., Tarwaka.(2010). *Ergonomi Industri: Dasar-Dasar Pengetahuan ergonomi dan Aplikasi di Tempat Kerja*. solo: Harapan Press.
- Armstrong, T. J., Buckle, P., Fine, L. J., Hagberg, M., Jonsson, B., Kilbom, A., Kuorinka, I. A., Silverstein, B. A., Sjøgaard, G., & Viikari-Juntura, E. R. (1993). A conceptual model for work-related neck and upper-limb musculoskeletal disorders. *Scandinavian Journal of Work, Environment & Health*, 19(2), 73–84. <https://doi.org/10.5271/sjweh.1494>
- Bovenzi, M. (2010). A Longitudinal Study of Low Back Pain and Daily Vibration Exposure in Professional Drivers. *INDUSTRIAL HEALTH*, 48(5), 584–595. <https://doi.org/10.2486/indhealth.MSWBVI-02>
- Burgess-Limerick, R. (2018). Participatory ergonomics: Evidence and implementation lessons. *Applied Ergonomics*, 68, 289–293. <https://doi.org/10.1016/j.apergo.2017.12.009>
- Bridger, R.S. 2009, *Introduction to Ergonomics*, 3rd edn, CRC Press, Boca Raton. <https://doi.org/10.1201/9781439894927>
- Carina, A., M, R. F., Purnawirawan, O., & R, N. G. (2022). Pengembangan Video Pembelajaran dan Buku Elektronik Dasar-Dasar AutoCAD 2021. *Jurnal Pendidikan Teknik Sipil*, 4(1), 30–37. <https://doi.org/10.21831/jpts.v4i1.48591>
- Chen, M. (2014). *Informal Economy Monitoring Study Sector Report: Home-based Workers*.
- Chen, N., Fong, D. Y. T., & Wong, J. Y. H. (2023). Health and Economic Outcomes Associated With Musculoskeletal Disorders Attributable to High Body Mass Index in 192 Countries and Territories in 2019. *JAMA Network Open*, 6(1), e2250674. <https://doi.org/10.1001/jamanetworkopen.2022.50674>
- Daniels, G. (2024). Navigating Precarity: Health and Safety Challenges in Southeast Asia's Gig Economy Food Delivery Sector. *Advances in Southeast Asian Studies*, 85-95 Pages. <https://doi.org/10.14764/10.ASEAS-0107>
- Danur, S. M. B., Wahyu, A., & Thamrin, Y. (2022). HUBUNGAN POSTUR KERJA DAN MASA KERJA TERHADAP KELUHAN MUSKULOSKELETAL PADA PENGEMUDI BUS: Relationship Between Work Posture and Working Period to Musculoskeletal Disorders Through Fatigue Among Driver. *Hasanuddin Journal of Public Health*, 3(2), 166–178. <https://doi.org/10.30597/hjph.v3i2.21894>

- Gasibat, Q., Bin Simbak, N., & Abd Aziz, A. (2017). Stretching Exercises to Prevent Work-related Musculoskeletal Disorders – A Review Article. *American Journal of Sports Science and Medicine*, 5(2), 27–37. <https://doi.org/10.12691/ajssm-5-2-3>
- Haines, H., M., & Wilson, J. R. (1998). *Development of a framework for participatory ergonomics*. HSE Books.
- 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)
- Hignett, S., Wilson, J. R., & Morris, W. (2005). Finding ergonomic solutions—Participatory approaches. *Occupational Medicine*, 55(3), 200–207. <https://doi.org/10.1093/occmed/kqi084>
- Hoy, D., March, L., Brooks, P., Blyth, F., Woolf, A., Bain, C., Williams, G., Smith, E., Vos, T., Barendregt, J., Murray, C., Burstein, R., & Buchbinder, R. (2014). The global burden of low back pain: Estimates from the Global Burden of Disease 2010 study. *Annals of the Rheumatic Diseases*, 73(6), 968–974. <https://doi.org/10.1136/annrheumdis-2013-204428>
- Hutabarat, J., Pradana, J. A., Achmadi, F., & Basuki, D. W. L. (2022). Risk of Musculoskeletal Disorder in the Working Posture of Online Motorcycle Drivers (Case Study: Drivers at Malang District). *International Journal of Design & Nature and Ecodynamics*, 17(6), 843–851. <https://doi.org/10.18280/ijdene.170604>
- Joseph, L., Standen, M., Paungmali, A., Kuisma, R., Silitertpisan, P., & Pirunsan, U. (2020). Prevalence of musculoskeletal pain among professional drivers: A systematic review. *Journal of Occupational Health*, 62(1), e12150. <https://doi.org/10.1002/1348-9585.12150>
- Karuppiyah, K., Salit, M. S., Ismail, M. Y., Ismail, N., & Tamrin, S. B. M. (2012). Evaluation of motorcyclist's discomfort during prolonged riding process with and without lumbar support. *Anais Da Academia Brasileira de Ciências*, 84(4), 1169–1188. <https://doi.org/10.1590/S0001-37652012000400031>
- Kroemer, K. H. E., & Grandjean, E. (1997). *Fitting The Task To The Human* (0 ed.). CRC Press. <https://doi.org/10.1201/9780367807337>
- Kuorinka, I., Jonsson, B., Kilbom, A., Vinterberg, H., Biering-Sørensen, F., Andersson, G., & Jørgensen, K. (1987). Standardised Nordic questionnaires for the analysis of musculoskeletal symptoms. *Applied Ergonomics*, 18(3), 233–237. [https://doi.org/10.1016/0003-6870\(87\)90010-X](https://doi.org/10.1016/0003-6870(87)90010-X)
- Lee, J.-G., Kim, G. H., Jung, S. W., Kim, S. W., Lee, J.-H., & Lee, K.-J. (2018). The association between long working hours and work-related musculoskeletal symptoms of Korean wage workers: Data from the fourth

- Korean working conditions survey (a cross-sectional study). *Annals of Occupational and Environmental Medicine*, 30(1), 67. <https://doi.org/10.1186/s40557-018-0278-0>
- Liu, F., Duan, Y., Wang, Z., Ling, R., Xu, Q., Sun, J., Liu, Y., Yang, Y., Li, G., Zhang, H., Li, D., Wang, R., Liu, J., Li, T., Liu, J., Geng, X., Xiong, W., Li, Z., Jia, N., & Wu, C. (2025). Mixed adverse ergonomic factors exposure in relation to work-related musculoskeletal disorders: A multicenter cross-sectional study of Chinese medical personnel. *Scientific Reports*, 15(1), 14705. <https://doi.org/10.1038/s41598-025-99477-9>
- Lötters, F., Meerding, W.-J., & Burdorf, A. (2005). Reduced productivity after sickness absence due to musculoskeletal disorders and its relation to health outcomes. *Scandinavian Journal of Work, Environment & Health*, 31(5), 367–374. <https://doi.org/10.5271/sjweh.920>
- McAtamney, L., & Nigel Corlett, E. (1993a). 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)
- McAtamney, L., & Nigel Corlett, E. (1993b). 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)
- McAtamney, L., & Nigel Corlett, E. (1993c). 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)
- McGill, S. (2007). *Low back disorders* (Fourth edition). Human Kinetics.
- Montgomery, D. C. (2020). *Introduction to statistical quality control* (Eighth edition, EMEA edition). Wiley.
- Montgomery, D. C., & Runger, G. C. (2014). *Applied statistics and probability for engineers* (6. ed). Wiley.
- Naibaho, H. (2025). Kajian Literatur terhadap Kontrol Algoritma untuk Mengelola Gig Workers pada Perusahaan Platform Digital. *RIGGS: Journal of Artificial Intelligence and Digital Business*, 4(3), 4885–4890. <https://doi.org/10.31004/riggs.v4i3.2704>
- Nasution, F. A. P., Nuraeni, Y., & Nuzula, F. (2022). Penerapan Peraturan Pemerintah Mengenai Waktu Kerja dan Waktu Istirahat: Perspektif Jurnalis. *Jurnal Ketenagakerjaan*, 17(2), 105–120. <https://doi.org/10.47198/naker.v17i2.138>
- Nielsen, K., & Randall, R. (2012). The importance of employee participation and perceptions of changes in procedures in a teamworking intervention. *Work & Stress*, 26(2), 91–111. <https://doi.org/10.1080/02678373.2012.682721>

- Nornadiah Mohd Razali, Y. B. W. (n.d.). Power Comparisons of Shapiro-Wilk, Kolmogorov-Smirnov, Lilliefors and Anderson-Darling Tests. 2011.
- Nurmianto, E. 2004, *Ergonomi: Konsep Dasar dan Aplikasinya*, Prima Printing, Surabaya.
- PHEASANT*, 2003. (n.d.).
- Pheasant, S. & Haslegrave, C.M. 2006, *Bodyspace: Anthropometry, Ergonomics and the Design of Work*, 3rd edn, CRC Press, Boca Raton. <https://doi.org/10.1201/9781315375212>
- Pleho, D., Mačak Hadžimerović, A., Pašalić, A., Katana, B., & Jaganjac, A. (2024). The effect of the ergonomic intervention program on work-related musculoskeletal disorders in healthcare professionals. *Journal of Health Sciences*, 13(3 (Suplement 1)), 223–227. <https://doi.org/10.17532/jhs.2023.2624>
- Punnett, L., & Wegman, D. H. (2004). Work-related musculoskeletal disorders: The epidemiologic evidence and the debate. *Journal of Electromyography and Kinesiology*, 14(1), 13–23. <https://doi.org/10.1016/j.jelekin.2003.09.015>
- Putri, R. O., Jayanti, S., & Kurniawan, B. (2021). HUBUNGAN POSTUR KERJA DAN DURASI KERJA DENGAN KELUHAN NYERI OTOT PADA PEKERJA PABRIK TAHU X DI KOTA SEMARANG. *Jurnal Kesehatan Masyarakat (Undip)*, 9(6), 733–740. <https://doi.org/10.14710/jkm.v9i6.31300>
- Putri, S., Fitri, A. D., & Putra, R. A. (2023). ANALISIS RISIKO WORK-RELATED MUSCULOSKELETAL DISORDERS (WMSD) PADA PENGEMUDI OJEK ONLINE DI PALEMBANG. *Jurnal Kedokteran Dan Kesehatan: Publikasi Ilmiah Fakultas Kedokteran Universitas Sriwijaya*, 10(2), 243–248. <https://doi.org/10.32539/JKK.V10I2.21018>
- Rafli, A. A., Nasution, H., & Absah, Y. (2020). *Analysis of Total Employee Needs Based on Measurement of Workloads at PT. Garuda Indonesia Branch Office Medan*. 10.
- Septyani Hobby Sarbarita Yogata, F., Kaslina Purba, Y., & Rekci Jonatan, R. (2023). Pengaruh Shift Work, Work Overload, dan Work Life Balance terhadap Job Performance dengan Time Management. *Jurnal Sosial Dan Sains*, 3(4), 398–417. <https://doi.org/10.59188/jurnalsosains.v3i4.729>
- Setiawan, H., Aurelia, C., Prasetyo, T. R., Aurellia, A., Mandola, F., & Hidayat, W. (2025). *Analisis Kenyamanan Ergonomis Penggunaan Hydropad untuk Mengurangi Masalah Musculoskeletal pada Pengemudi Ojek Online*.

- Simanullang, C. N. (2024). *Dinamika Kehidupan Sosial Ekonomi Kota Tukang Ojek Online*.
- Sowmyashree, T., D J, A., C S, M., & C S, S. K. (2016). STUDY ON MECHANICAL PROPERTIES OF RED MUD AS A PARTIAL REPLACEMENT OF CEMENT WITH HYDRATED LIME FOR M40 GRADE CONCRETE WITH SUPERPLASTICISER. *International Journal of Research in Engineering and Technology*, 05(04), 40–47. <https://doi.org/10.15623/ijret.2016.0504009>
- Sugiyono, 2013. (n.d.).
- Sunarya, P. A., Chairani, A., Hardini, N., & Bustamam, N. (2024). *Masa Kerja dan Lama Kerja Berhubungan dengan Keluhan Nyeri Punggung Bawah pada Pengemudi Ojek Daring*.
- Surury, I., Aisya Alawiyah, Fitri Anggraeni, Vicky Abiansyah, & Nastiti Dyah Prastiwi. (2024). RELATIONSHIP BETWEEN WORK DURATION, LENGTH OF WORK, AND SLEEP DURATION WITH WORK FATIGUE AMONG ONLINE TAXI BIKE DRIVERS IN GREATER JAKARTA. *Journal of Vocational Health Studies*, 7(3), 181–187. <https://doi.org/10.20473/jvhs.V7.I3.2024.181-187>
- Tahernejad, S., Makki, F., Bameri, A., Zangiabadi, Z., Rezaei, E., & Marzban, H. (2024). Musculoskeletal disorders among truck drivers: A systematic review and meta-analysis. *BMC Public Health*, 24(1), 3146. <https://doi.org/10.1186/s12889-024-20611-9>
- Taibi, Y., Metzler, Y. A., Bellingrath, S., & Müller, A. (2021). A systematic overview on the risk effects of psychosocial work characteristics on musculoskeletal disorders, absenteeism, and workplace accidents. *Applied Ergonomics*, 95, 103434. <https://doi.org/10.1016/j.apergo.2021.103434>
- Tamrin, S. B. M., Yokoyama, K., Jalaludin, J., Aziz, N. A., Jemoin, N., Nordin, R., Naing, A. L., Abdullah, Y., & Abdullah, M. (2007). The Association between Risk Factors and Low Back Pain among Commercial Vehicle Drivers in Peninsular Malaysia: A Preliminary Result. *INDUSTRIAL HEALTH*, 45(2), 268–278. <https://doi.org/10.2486/indhealth.45.268>
- Tanveer, F. (2015). Job-related Musculoskeletal Disorders in Bus Drivers of Lahore, Pakistan. *International Journal of Science and Research (IJSR)*, 5(5), 796–800. <https://doi.org/10.21275/v5i5.NOV163403>
- Torrado, P., Marina, M., Baudry, S., & Ríos, M. (2021). Muscle Fatigue When Riding a Motorcycle: A Case Study. *International Journal of Environmental Research and Public Health*, 18(15), 7738. <https://doi.org/10.3390/ijerph18157738>
- Triyanto, B. (2012). *JURUSAN TEKNIK INDUSTRI FAKULTAS TEKNIK UNIVERSITAS MUHAMMADIYAH SURAKARTA 2012*.

- Vainio, H. (1982). Inhalation anesthetics, anticancer drugs and sterilants as chemical hazards in hospitals. *Scandinavian Journal of Work, Environment & Health*, 8(2), 94–107. <https://doi.org/10.5271/sjweh.2483>
- Więckol-Ryk, A., Krzemiń, A., & Sánchez Lasheras, F. (2018). Assessing the breathing resistance of filtering-facepiece respirators in Polish coal mines: A survey and laboratory study. *International Journal of Industrial Ergonomics*, 68, 101–109. <https://doi.org/10.1016/j.ergon.2018.07.001>
- Wijaya, I. S. A., & Muhsin, A. (2018). ANALISA POSTUR KERJA DENGAN METODE RAPID UPPER LIMB ASSESSMENT (RULA) PADA OPERATOR MESIN EXTRUDER DI STASIUN KERJA EXTRUDING PADA PT XYZ. *OPSI*, 11(1), 49. <https://doi.org/10.31315/opsi.v11i1.2200>