

## DAFTAR PUSTAKA

- Aboalshamat, K., Daoud, O., Mahmoud, L. A., Attal, S., Alshehri, R., Bin Othman, D., & Alzahrani, R. (2020). Practices and Attitudes of Dental Loupes and Their Relationship to Musculoskeletal Disorders among Dental Practitioners. *International Journal of Dentistry*, 2020. <https://doi.org/10.1155/2020/8828709>
- Adelino, M.I., Kumala, Andhini., Farid, Mohammad., Dewi, Alfita. (2023). *Ergonomi Fisik*. Haura Utama: Sukabumi.
- Alhusain, F. A., Almohrij, M., Althukeir, F., Alshater, A., Alghamdi, B., Masuadi, E., & Basudan, A. (2019). Prevalence of carpal tunnel syndrome symptoms among dentists working in Riyadh. *Annals of Saudi Medicine*, 39(2), 104–111. <https://doi.org/10.5144/0256-4947.2019.07.03.1405>
- Ali Abdelnabi, A., Mohammed Al Kuwafi, R., Abdulsalam Hashim, K., & Ahmed Bugedar, M. (2022). Prevalence of Carpal Tunnel Syndrome Symptoms Among Dentists in Benghazi City - Libya. *International Journal of Advanced Research*, 10(01), 29–34. <https://doi.org/10.2147/ijar01/14007>
- Aljunaid, N.M., Alzahrani, A.S., Hegazy, A.A., & Altassan, K.A. (2021). Demographic and Occupational Risk Factors of Carpal Tunnel Syndrome among Dental Students in their Final Year at King Abdulaziz University, Jeddah, Saudi Arabia. International Journal of Occupational Health. 13(4). 1-5. https://doi.org/10.18502/ijoh.v1i3j4.8427
- AlKhodier, H., Alqahtani, M., Alshenaifi, A., & Alnuwaiser, M. (2022). Prevalence of First Carpometacarpal Joint Osteoarthritis and Carpal Tunnel Syndrome Among Dentists in Saudi Arabia. *Cureus*, 14(4), 15–22. <https://doi.org/10.7759/cureus.23876>
- Al Shahrani, E., Al Shahrani, A., & Al-Maflehi, N. (2021). Personal factors associated with carpal tunnel syndrome (CTS): a case-control study. *BMC Musculoskeletal Disorders*, 22(1), 1–7. <https://doi.org/10.1186/s12891-021-04941-y>
- Alzayani, M. K., Salama, K. F., & Zafar, M. (2022). Work-related musculoskeletal disorders among dental staff in Armed Force Hospital in Dhahran, Saudi

- Arabia. *African Health Sciences*, 22(2), 602–611.  
<https://doi.org/10.4314/ahs.v22i2.69>
- American Occupational Therapy Association. (2014). Occupational Therapy Practice; Framework ; Domain & Process (3<sup>rd</sup> Edition). *The American Journal of Occupational Therapy*. 68(1).S1-S48.  
<https://doi.org/10.5014/ajot.2014.682006>
- Bedny, Gregory Z., & Bedny, Inna S. (2019). *Work Activity Studies Within the Framework of Ergonomics, Psychology, and Economics*. CRC Press : New York
- Bhagat, T., Shrestha, A., Agrawal, S. K., & Gautam, U. (2022). Musculoskeletal complaints and associated factors among dental practitioners of Nepal: a nationwide survey. *International Journal of Occupational Safety and Ergonomics*, 28(4), 2302–2307.  
<https://doi.org/10.1080/10803548.2021.1987054>
- Bhatia, V., Vaishya, R. O., Jain, A., Grover, V., Arora, S., Das, G., Abdulla, A. M., Sainudeen, S., Mohamed Ali, A. B., & Saluja, P. (2024). Identification of prevalence of musculoskeletal disorders and various risk factors in dentists. *Heliyon*, 10(1), e23780. <https://doi.org/10.1016/j.heliyon.2023.e23780>
- Cazares-Manríquez, M. A., Wilson, C. C., Vardasca, R., García-Alcaraz, J. L., Olguín-Tiznado, J. E., López-Barreras, J. A., & García-Rivera, B. R. (2020). A review of carpal tunnel syndrome and its association with age, body mass index, cardiovascular risk factors, hand dominance, and sex. *Applied Sciences (Switzerland)*, 10(10). <https://doi.org/10.3390/app10103488>
- Chenna, D., Madi, M., Kumar, M., Kumar, V., Chopperla, S., Tadikonda, A., & Pentapati, K. (2023). Worldwide prevalence of carpal tunnel syndrome among dental health care personnel - A systematic review and meta-analysis. *F1000Research*, 12, 1–29.  
<https://doi.org/10.12688/f1000research.131659.2>
- Dantas, F. F. O., & de Lima, K. C. (2015). The relationship between physical load and musculoskeletal complaints among Brazilian dentists. *Applied Ergonomics*, 47, 93–98. <https://doi.org/10.1016/j.apergo.2014.09.003>

- Devi, R. G., Kumar, S., & Priya, A. J. (2022). Comparative study on awareness about carpal tunnel syndrome among dental professionals in India and Malaysia. *European Journal of Translational and Clinical Medicine*, 5(2), 37–41. <https://doi.org/10.31373/ejtcm/149226>
- Duncan, Scott F.M., & Kakinoki, Ryosuke. (2017). *Carpal Tunnel Syndrome and Related Median Neuropathies*. Switzerland ; Springer International Publishing
- Eldarrat, A., Alkhuboli, F., & Alkhuboli, M. (2023). Work-Related Musculoskeletal Disorder Among Medical and Dental Workers. *Journal of International Dental and Medical Research*, 16(1), 278–284. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152703014&partnerID=40&md5=882fa489a24daf2bfe654800c22fe4a0>
- Elsharkawy, S., Elhamrawy, E., Abdel-Tawab, H., Qadry, Y., & Alrafee, S. (2023). Prevalence of carpal tunnel syndrome symptoms and its determinants among the dental staff of Al-Azhar University in Cairo, Egypt. *Journal of Recent Advances in Medicine*, 0(0), 0–0. <https://doi.org/10.21608/jram.2023.212734.1214>
- Farhan, F. S. (2018). Faktor-faktor yang Mempengaruhi Timbulnya Carpal Tunnel Syndrome pada Pengendara Ojek. *Jurnal Manajemen Kesehatan Yayasan RS.Dr. Soetomo*, 4(2), 123. <https://doi.org/10.29241/jmk.v4i2.114>
- Finsen, L., Christensen, H., & Bakke, M. (2022). Hand and wrist pain in dental practitioners associated with time spent in clinical practice and repetitive movements. *Journal of Occupational Health*, 64(3), 178-186. <https://doi.org/10.1002/joh.13067>
- Graveling, Richard. (2019). *Ergonomics and Musculoskeletal Disorders (MSDs) in the Workplace*. Florida ; Taylor & Francis Group
- Genova A, Dix O, Saefan A, et al. (March 19, 2020) Carpal Tunnel Syndrome: A Review of Literature. *Cureus* 12(3): e7333. <https://doi.org/10.7759/cureus.7333>
- Griffin, M. J. (1997). Measurement, evaluation, and assessment of occupational exposures to hand-transmitted vibration. *Occupational and Environmental Medicine*, 54(2), 73–89. <https://doi.org/10.1136/oem.54.2.73>

- Hernández-Secorún, M., Montaña-Cortés, R., Hidalgo-García, C., Rodríguez-Sanz, J., Corral-De-toro, J., Monti-Ballano, S., Hamam-Alcober, S., Tricás-Moreno, J. M., & Lucha-López, M. O. (2021). Effectiveness of conservative treatment according to severity and systemic disease in carpal tunnel syndrome: A systematic review. *International Journal of Environmental Research and Public Health*, 18(5), 1–34. <https://doi.org/10.3390/ijerph18052365>
- Hidayati, Hanik Badriyah. (2023). *Carpal Tunnel Syndrome*. Jawa Timur: Airlangga University Press
- Himawan, Rio. (2020). Analisa Penilaian Postur Kerja Berdasarkan Metode *Quick Exposure Checklist* (QEC) pada Operator Mesin Milling; (Studi Kasus: PT. Alis Jaya Ciptatama). *Tugas Akhir*. Program Studi Teknik Industri, Universitas Islam Indonesia.
- Huang, W. T., Wang, C. T., Ho, C. H., Chen, Y. C., Ho, Y. C., Hsu, C. C., Lin, H. J., Wang, J. J., Mau, L. P., & Huang, C. C. (2023). Carpal tunnel syndrome in dentists compared to other populations: A nationwide population-based study in Taiwan. *PLoS ONE*, 18(6 June), 1–10. <https://doi.org/10.1371/journal.pone.0287351>
- Hutabarat, Yulianus. (2017). Dasar- Dasar Pengetahuan Ergonomi. Malang: Media Nusa Creative
- Ispăsoiu, A., Milosan, I., Senchetru, D., Machedon-Pisu, T., Ispăsoiu, A. M. F., & Meiță, C. (2021). Study on the application of the QEC (Quick Exposure Check) on the ergonomic risks assessment in the industrial field. *MATEC Web of Conferences*, 343, 10023. <https://doi.org/10.1051/matecconf/202134310023>
- Javed, H.R., Tariq, H.T., Lodhi, A.A., Iftikhar, R., Khanzada, S.K., Arshad, K., Sehar, H., Fatima, K., Rafique, H., & Asla., I. (2023). Prevalence of Carpel Tunnel Syndrome among Dentist, A Cross-Sectional Study. *JHRR*. 3(2). 384-388. <https://doi.org/10.61919/jhrr.v3i2.119>
- Jing-Ning Teo, S., Mohamad Saleh, W. N. H. W., N. Subramaniam, R., Mohamad Hanapi, N. S., & HY Yap, Y. (2022). The Prevalence and Associated Risk Factors of Carpal Tunnel Syndrome among Private Dentists in Klang

- Valley, Malaysia: A Cross-sectional Study. *Annals of Dentistry*, 29, 52–59.  
<https://doi.org/10.22452/adum.vol29.2>
- Jumeno, D., & Matsumoto, H. (2015). Effects of foliage plants on human physiological and psychological responses at different temperatures. *AIP Conference Proceedings*, 1649(October 2020), 32–40.  
<https://doi.org/10.1063/1.4913541>
- Keskin, M., Karadede, M. I., & Ozer Kaya, D. (2023). Spinal pain, curvature, and mobility comparisons according to spine region in dentists working in risky postures. *International Journal of Industrial Ergonomics*, 98(November), 103518. <https://doi.org/10.1016/j.ergon.2023.103518>
- Konz, Stephan, & Johnson, Steven. (2016). *Work Design: Occupational Ergonomics*. Boca Raton : CRC Press
- Kim, H. J., Park, S. Y., & Lee, J. S. (2019). Long-term exposure to dental procedures and carpal tunnel syndrome among dental professionals. *BMC Musculoskeletal Disorders*, 20(1), 225. <https://doi.org/10.1186/s12891-019-2100-0>
- Kostares, E., Kostare, G., Kostares, M., & Kantzanou, M. (2023). Prevalence of carpal tunnel syndrome among dentists: a systematic review and meta-analysis. *F1000Research*, 12, 196.  
<https://doi.org/10.12688/f1000research.131173.1>
- Kotwal, V., & Thakur, A. (2019). A study of patient characteristics of carpal tunnel syndrome and its correlation with electro-diagnostic findings. *MedPulse International Journal of Medicine*, 13(3), 113–117.  
<https://doi.org/10.26611/10211332>
- Liao HR, Wang S, Hu YL, Ding KH, Ye SY, Hu YW, Guo JC, Wu L. Ergonomic risk factors of carpal tunnel syndrome in workers of an automobile factory. Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi. 2020;38(3):196-199.  
<https://doi.org/10.3760/cma.j.cn121094-20190420-00178>
- Lin, M. T., Liao, C. L., Hsiao, M. Y., Hsueh, H. W., Chao, C. C., & Wu, C. H. (2020). Volume Matters in Ultrasound-Guided Perineural Dextrose Injection for Carpal Tunnel Syndrome: A Randomized, Double-Blinded, Three-Arm Trial. *Frontiers in pharmacology*, 11, 625830.  
<https://doi.org/10.3389/fphar.2020.625830>

- Linton, P. M., Wyatt, J. R., & Jackson, T. M. (2020). Repetitive motion injuries in dental practitioners: Prevalence and preventive measures. *Clinical Oral Investigations*, 24(7), 2125–2132. <https://doi.org/10.1007/s00784-019-03087-2>
- Maghsoudipour, M., Hosseini, F., Coh, P., & Garib, S. (2021). Evaluation of occupational and non-occupational risk factors associated with carpal tunnel syndrome in dentists. *Work*, 69(1), 181–186. <https://doi.org/10.3233/WOR-213467>
- Mahmood Aljunaid, N., Alzahrani, A. S., Ahmed Hegazy, A., & Abdulrahman Altassan, K. (2022). Demographic and Occupational Risk Factors of Carpal Tunnel Syndrome among Dental students in their Final Year at King Abdulaziz University, Jeddah, Saudi Arabia. *International Journal of Occupational Hygiene*. <https://doi.org/10.18502/ijoh.v13i4.8427>
- Mallapiang, F., & Wahyudi, A. A. (2015). Gambaran Faktor Pekerjaan dengan Kejadian Carpal Tunnel Syndrome (CTS) pada Pengrajin Batu Tatakan di Desa Lempang Kec.Tanete Riaja Kabupaten Barru Tahun 2015. *Al-Sihah: Public Health Science Journal*, 6(2), 19–25.
- Matur, Z., Zengin, T., Bolu, N. E., & Oge, A. E. (2023). Prevalence of Carpal Tunnel Syndrome Symptoms Among Young Dentists. *Cureus*, 15(8). <https://doi.org/10.7759/cureus.43358>
- Miles, M. R., Shetty, P. N., Bhayana, K., Yousaf, I. S., Sanghavi, K. K., & Giladi, A. M. (2021). Early Outcomes of Endoscopic Versus Open Carpal Tunnel Release. *The Journal of hand surgery*, 46(10), 868–876. <https://doi.org/10.1016/j.jhsa.2021.04.030>
- Mitake, T., Iwatsuki, K., & Hirata, H. (2020). Differences in characteristics of carpal tunnel syndrome between male and female patients. *Journal of Orthopaedic Science*, 25(5), 843–846. <https://doi.org/10.1016/j.jos.2019.10.017>
- Mocanu, C.-M., & Axente, D.-T. (2023). Evaluation of occupational and non-occupational risk factors associated with carpal tunnel syndrome-related symptoms in office workers. *Romanian Journal of Occupational Medicine*, 74(1), 41–51. <https://doi.org/10.2478/rjom-2023-0007>

- Moosavi, S., Desai, R., Hallaj, S., Sundaram, K. K., & Hegde, V. S. (2015). Ergonomic Analysis to Study the Intensity of MSDs among Practicing Indian Dentists. *Procedia Manufacturing*, 3(Ahfe), 5419–5426. <https://doi.org/10.1016/j.promfg.2015.07.667>
- Mubashra, H., Mehmood, M., Malik, S., Zahra, H., Mehmood, A., & Mukhtar, S. (2022). Prevalence of Carpal Tunnel Syndrome among Dentists of Faisalabad. *Pakistan Journal of Medical and Health Sciences*, 16(10), 9–11. <https://doi.org/10.53350/pjmhs2216109>
- Mundir. (2012). Statistik Pendidikan : Pengantar Analisis Data Untuk Penulisan Skripsi dan Tesis. Jember: STAIN Jember Press.
- Nalendra, Aloysius Rangga Aditya. (2021). *Statistika Seri Dasar dengan SPSS*. Bandung ; CV. Media Sains Indonesia
- Ohlendorf, D., Maltry, L., Hänel, J., Betz, W., Erbe, C., Maurer-Grubinger, C., Holzgreve, F., Wanke, E. M., Brüggmann, D., Nienhaus, A., & Groneberg, D. A. (2020). SOPEZ: Study for the optimization of ergonomics in the dental practice - Musculoskeletal disorders in dentists and dental assistants: A study protocol. *Journal of Occupational Medicine and Toxicology*, 15(1). <https://doi.org/10.1186/s12995-020-00273-0>
- Okta Dwiyanti Ridwan Gucci, D., Raimona Zadry, H., & Jumeno, D. (2019). Framework Assessment of the Potential Hazards in the Industry Using Macroergonomics. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, 15(2), 209–216. <http://ijpsat.ijsht-journals.org>
- Osborne, A., & Smith, L. (2021). Posture and musculoskeletal disorders in dental professionals: The impact of patient interaction duration. *International Journal of Occupational Safety and Ergonomics*, 27(2), 132-140. <https://doi.org/10.1080/10803548.2020.1838234>
- Padua, L., Coraci, D., Erra, C., Pazzaglia, C., Paolasso, I., Loreti, C., Caliandro, P., & Hobson-Webb, L. D. (2016). Carpal tunnel syndrome: clinical features, diagnosis, and management. *The Lancet Neurology*, 15(12), 1273–1284. [https://doi.org/10.1016/S1474-4422\(16\)30231-9](https://doi.org/10.1016/S1474-4422(16)30231-9)

- Palmer, K. T., Harris, E. C., & Coggon, D. (2007). Carpal tunnel syndrome and its relation to occupation: A systematic literature review. *Occupational Medicine*, 57(1), 57–66. <https://doi.org/10.1093/occmed/kql125>
- Pentapati, K., & Chenna, D. (2022). *Pooled prevalence of Carpal Tunnel syndrome among dental health care providers.* 1–3. <https://doi.org/10.37766/inplasy2022.1.0084>
- Perry, D. A., Beemsterboer, P. L., & Essex, G. (2020). *Periodontology for the Dental Hygienist* (5th ed.). Elsevier.
- Pheasant, S., & Haslegrave, C. M. (2006). *Bodyspace: Anthropometry, Ergonomics and the Design of Work* (3rd ed.). CRC Press.
- Pourmemari M, Shiri R. Diabetes as a risk factor for carpal tunnel syndrome: a systematic review and meta-analysis. *Diabetic Medicine*. 2016; 33(1):10–6. <https://doi.org/10.1111/dme.12855> PMID: 26173490
- Rahmaningrum, F. D., Widjasena, B., & Kurniawan, B. (2022). Faktor Risiko Yang Memengaruhi Kejadian Musculoskeletal Disorders (Msds) Pada Dokter Gigi : Literature Review. *Jurnal Kesehatan Masyarakat*, 10(2), 226–228. <https://doi.org/10.14710/jkm.v10i2.32721>
- Rotaru-Zavaleanu, A. D., Lungulescu, C. V., Bunescu, M. G., Vasile, R. C., Gheorman, V., Gresita, A., & Dinescu, V. C. (2024). Occupational Carpal Tunnel Syndrome: a scoping review of causes, mechanisms, diagnosis, and intervention strategies. *Frontiers in Public Health*, 12(May), 1–14. <https://doi.org/10.3389/fpubh.2024.1407302>
- Sanjari, E., Raeisi Shahraki, H., Khachatryan, L. G., & Mohammadian-Hafshejani, A. (2024). Investigating the association between diabetes and carpal tunnel syndrome: A systematic review and meta-analysis approach. *PLoS ONE*, 19(4), 1–17. <https://doi.org/10.1371/journal.pone.0299442>
- Setiawan, Rony. (2008). *Aplikasi SPSS untuk SMART Riset*. Bandung ; ALFABETA
- Sugiyono. (2017). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. Bandung :Alfabeta, CV

- Sugiantini, N. S., & Tejamaya, M. (2023). Prevalensi Carpal Tunnel Syndrome (CTS) Pada Dokter Gigi di PUSKESMAS Wilayah DKI Jakarta Tahun 2023. *Jurnal Cahaya Mandalika (Jcm)*, 835–840.
- Susanti, Lusi., Zadry, Hilma Raimona., Jumeno, Desto., & Fatrias, Dicky. (2020). Ergonomi Industri. Padang: Andalas University Press
- Tonga, F., & Bahadir, S. (2022). The factors Associated with Carpal Tunnel Syndrome Severity. *Turkish Neurosurgery*, 32(3), 392-397. <https://doi.org/10.5137/1019-5149.JTN.31702-21>
- Utamy, R. T., Kurniawan, B., & Wahyuni, I. (2020). Literature Review : Faktor Risiko Kejadian Carpal Tunnel Syndrome ( Cts ) pada Pekerja. *Jurnal Kesehatan Masyarakat (e-Journal)*, 8(5), 601–608. <https://ejournal3.undip.ac.id/index.php/jkm/article/view/27901>
- Vihlborg, P., Pettersson, H., Makdoumi, K., Wikström, S., Bryngelsson, I. L., Selander, J., & Graff, P. (2022). Carpal Tunnel Syndrome and Hand-Arm Vibration: A Swedish National Registry Case-Control Study. *Journal of Occupational and Environmental Medicine*, 64(3), 197–201. <https://doi.org/10.1097/JOM.0000000000002451>
- Wilcock, A.A. (2006). *An Occupational Perspective of Health* (2<sup>nd</sup> Edition). USA;Slack Incorporated
- Wilkins, E. M. (2017). *Clinical Practice of the Dental Hygienist* (12th ed.). Philadelphia: Lippincott Williams & Wilkins.
- Zetli, S., Susanti, L., & Jumeno, D. (2024). *Bibliographic analysis: Research prospects for work-life balance of women workers in engineering*. 10(2).
- Zubair, M., Khan, P., Ahmad, U., Ul Abidin, S. Z., Ullah Shah, S., & Kazmi, A. (2022). Prevalence of Carpal Tunnel Syndrome Among Dentists Working in Tertiary Care Hospitals of Peshawar, Pakistan. *Annals of Jinnah Sindh Medical University*, 8(1), 36–41. <https://doi.org/10.46663/ajsmu.v8i1.36-41>