

DAFTAR PUSTAKA

- Alanazi, A. (2025). Predictors of Chronic Ankle Instability Among Soccer Players. *Medicina (Lithuania)*, 61(4). <https://doi.org/10.3390/medicina61040555>
- Almansoof, H. S., & Nuhmani, S. (2023). *Role of kinetic chain in sports performance and injury risk : a narrative review*. (November), 1591–1596. <https://doi.org/10.25122/jml-2023-0087>
- Almoussa, S., Mullen, R., Williams, K., Bourne, M., Mullen, R., Williams, K., & Bourne, M. (2024). Identification of potential risk factors for lower limb injuries in female team-sport athletes : a prospective cohort study. *Science and Medicine in Football*, 8(2), 126–137. <https://doi.org/10.1080/24733938.2023.2181386>
- Al-Muqsith. (2017). Anatomi dan Biomekanika Sendi Panggul. *Unimal Press*, 1–55.
- Anderson, A., McLellan, M., Kim, R., & Noori, N. (2025). Diagnosis and Management of Deltoid Ligament Injuries in Chronic Ankle Instability: A Systematic Review. *Foot and Ankle Orthopaedics*, 10(1). <https://doi.org/10.1177/24730114251323903>
- Asker, A., & Al., E. (2025). *Optimum Design of Polycentric Knee Hinges Based on Analysis of Knee-exoskeleton Closed Kinematic Chain*.
- Azzahra, S., & Supartono, B. (2021). Review Artikel Mengapa Ankle Sprain Pada Atlet Sering Kambuh ? Perlukah Di Operasi ? *Jurnal Kedokteran Syiah Kuala*, 21(3). <https://doi.org/10.24815/jks.v21i3.20726>
- Bagehorn, T., de Zee, M., Fong, D. T. P., Thorborg, K., Kersting, U. G., & Lysdal, F. G. (2024a). Lateral Ankle Joint Injuries in Indoor and Court Sports: A Systematic Video Analysis of 445 Nonconsecutive Case Series. *The American Journal of Sports Medicine*, 52(6), 1572–1584. <https://doi.org/10.1177/03635465241241760>
- Bagehorn, T., de Zee, M., Fong, D. T. P., Thorborg, K., Kersting, U. G., & Lysdal, F. G. (2024b). Lateral Ankle Joint Injuries in Indoor and Court Sports: A Systematic Video Analysis of 445 Nonconsecutive Case Series. *American Journal of Sports Medicine*, 52(6), 1572–1584. <https://doi.org/10.1177/03635465241241760>

- Bagehorn, T., Zee, M. de, Fong, D., Thorborg, K., Kersting, U. G., & Lysdal, F. G. (2023). 9 The noncontact ankle sprain is not always the result of a “bad landing”: a systematic video-analysis of 145 non-consecutive cases. *Abstracts*, A2.2-A2. <https://doi.org/10.1136/bmjsem-2023-sportskongres2023.5>
- Blom, A. W., Warwick, D., & Whitehouse, M. R. (2018). Apley and Solomon’s System of Orthopaedics and Trauma (10th ed.). In *Educacao e Sociedade* (Vol. 1, Number 1). http://www.biblioteca.pucminas.br/teses/Educacao_PereiraAS_1.pdf%0Ahttp://www.anpocs.org.br/portal/publicacoes/rbcs_00_11/rbcs11_01.htm%0Ahttp://repositorio.ipea.gov.br/bitstream/11058/7845/1/td_2306.pdf%0Ahttps://direitofma2010.files.wordpress.com/2010/
- Brockett, C. L., & Chapman, G. J. (2016). Biomechanics of the ankle. *Orthopaedics and Trauma*, 30(3), 232–238. <https://doi.org/10.1016/j.mporth.2016.04.015>
- Brukner, P., Arden, C., Bahr, R., Blazey, P., Clarsen, B., Crossley, K., Forster, B., Hutchinson, M., Lasinsky, A., & Khan, K. (2024). Brukner & Khan’s Clinical Sports Medicine: Foundations of Clinical Practice. In *Brukner & Khan’s Clinical Sports Medicine: Foundations of Clinical Practice, 6th Edition*.
- Büchler, L., Tannast, M., Siebenrock, K. A., & Schwab, J. M. (2017). Biomechanics of the Hip. *Proximal Femur Fractures: An Evidence-Based Approach to Evaluation and Management*, (February), 1–188. <https://doi.org/10.1007/978-3-319-64904-7>
- Buckthorpe, M., Verhagen, E., D’Hooghe, P., Osti, L., Di Paolo, S., & Della Villa, F. (2025). Systematic video analysis of ankle sprain injuries in elite male football (soccer): Injury mechanisms, situational patterns, biomechanics and neurocognitive errors study: A study on 140 consecutive players. *Knee Surgery, Sports Traumatology, Arthroscopy*, 33(11), 4035–4049. <https://doi.org/10.1002/ksa.70049>
- Casey, E., Patel, T. S., Almedia, J. F., Binder, J., Bucke, J., Duffy, K., Faustin, M., Iwasaki, Y., Kruse, D., Laird, J., Laury, T., Mathieu, J. F., Rigg, J., Tomlinson, C., Thomas, C., & Stokes, K. A. (2024). Artistic gymnastics-specific extension of the IOC 2020 consensus statement: methods for recording and reporting of epidemiological data on injury and illness in sport. *BMJ Open Sport and Exercise Medicine*, 10(4), 1–6. <https://doi.org/10.1136/bmjsem-2024-002040>

- Chikih, C., Sudarsono, N. C., Widiastuti, E., & Prathama Nasution, A. (2021). Prognostic of Recurrence of Ankle Sprain Injury in Athletes who Return to Sports Early. *EJournal Kedokteran Indonesia*, 9(2), 137. <https://doi.org/10.23886/ejki.9.11.137>
- Corte-Real, N., & Caetano, J. (2021). Ankle and syndesmosis instability: consensus and controversies. *EFORT Open Reviews*, 6(6), 420–431. <https://doi.org/10.1302/2058-5241.6.210017>
- Delahunt, E. (2019). *Risk Factors for Lateral Ankle Sprains and Chronic Ankle Instability*. 54(6), 611–616. <https://doi.org/10.4085/1062-6050-44-18>
- Delahunt, E., & Remus, A. (2019). Risk factors for lateral ankle sprains and chronic ankle instability. *Journal of Athletic Training*, 54(6), 611–616. <https://doi.org/10.4085/1062-6050-44-18>
- Detrembleur, C., & Al., E. (2025). *Ankle sprain history and clinical outcome have limited influence on walking and running biomechanics among runners: a cross-sectional study*. (September). <https://doi.org/10.3389/fspor.2025.1553995>
- Dolan, P., Kenny, I., Glynn, L., Campbell, M., Warrington, G. D., Cahalan, R., Harrison, A., Lyons, M., & Comyns, T. (2023). Risk factors for acute ankle sprains in field-based, team contact sports: a systematic review of prospective etiological studies. *Physician and Sportsmedicine*, 51(6), 517–530. <https://doi.org/10.1080/00913847.2022.2093618>
- Fadillah, A., Irawan, D. S., & Rahmanto, S. (2025). Analisa Keseimbangan Statis Penderita Chronic Ankle Instability Pada Pemain Basket dan Futsal SMA di Kota Malang. *Jurnal Berita Kesehatan*, 18(1), 77–84. <https://doi.org/10.58294/jbk.v18i1.237>
- Fares, M. Y., Stewart, K., McBride, M., & Maclean, J. (2023). Lower limb injuries in an english professional football club: injury analysis and recommendations for prevention. *Physician and Sportsmedicine*, 51(3), 260–268. <https://doi.org/10.1080/00913847.2022.2045176>
- Foster, K. S., Greenlee, T. A., Fraser, J. J., Young, J. L., & Rhon, D. I. (2023). The Influence of Therapeutic Exercise after Ankle Sprain on the Incidence of Subsequent Knee, Hip, and Lumbar Spine Injury. *Medicine and Science in Sports and Exercise*, 55(2), 177–185. <https://doi.org/10.1249/MSS.0000000000003035>

- Giesche, F., Stief, F., Groneberg, D. A., & Wilke, J. (2025). Effects of sport specific unplanned movements on ankle kinetics and kinematics in healthy athletes from systematic review with meta-analysis. *Scientific Reports*, 15(1), 32476. <https://doi.org/10.1038/s41598-025-18746-9>
- Guan, Y., Bredin, S. S. D., Taunton, J., Jiang, Q., Wu, N., Li, Y., & Warburton, D. E. R. (2021). *Risk Factors for Non-Contact Lower-Limb Injury : A Retrospective Survey in Pediatric-Age Athletes*.
- Guzman, J. Z., Chen, K. K., Chan, J. J., & Vulcano, E. (2019a). *Epidemiology of Contact and Non-Contact Ankle Injuries in Collegiate Athletes*. 4(4), 2019. <https://doi.org/10.1177/2473011419S00193>
- Guzman, J. Z., Chen, K. K., Chan, J. J., & Vulcano, E. (2019b). Epidemiology of Contact and Non-Contact Ankle Injuries in Collegiate Athletes. *Foot & Ankle Orthopaedics*, 4(4). <https://doi.org/10.1177/2473011419S00193>
- Hamdani, M., Gumilang, K. C., Lumbangaol, S., & Andika, R. (2025). *Systematic Literature Review : Cedera yang Paling Sering Terjadi pada Atlet Bola Basket dan Strategi Pencegahannya*. 5(September), 454–475.
- Hartman, H., Fehr, S., & Gianakos, A. L. (2024). Hormonal Fluctuation and Ankle Instability in Women—Is There a Correlation? *Foot and Ankle Orthopaedics*, 9(4). <https://doi.org/10.1177/24730114241300140>
- He, Z., Zhu, H., Ye, B., Zheng, Z., Liu, G., Pan, H., & Liu, R. (2024). *Does chronic ankle instability patients lead to changes in biomechanical parameters associated with anterior cruciate ligament injury during landing ? A systematic review and*. (August), 1–15. <https://doi.org/10.3389/fphys.2024.1428879>
- Head, P. L., Neelly, K., Furgal, K., Graves, S., & Jordan, M. (2025). The Effect of Ankle Bracing on Athletic Performance Variables in Healthy Young Adult Athletes. *International Journal of Exercise Science*.
- Hertel, J., & Corbett, R. O. (2019). An updated model of chronic ankle instability. *Journal of Athletic Training*, 54(6), 572–588. <https://doi.org/10.4085/1062-6050-344-18>
- Herzog, M. M., Kerr, Z. Y., Marshall, S. W., & Wikstrom, E. A. (2019). Epidemiology of ankle sprains and chronic ankle instability. *Journal of Athletic Training*, 54(6), 603–610. <https://doi.org/10.4085/1062-6050-447-17>

- Houcke, J. Van, Khanduja, V., Christophe, P., & Audenaert, E. (2018). The History of Biomechanics in Total Hip Arthroplasty. *Indian*, 52(may), 161–169. <https://doi.org/10.4103/ortho.IJOrtho>
- Howell, D. R., Kirkwood, M. W., Laker, S., & Wilson, J. C. (2020). Collision and contact sport participation and quality of life among adolescent athletes. *Journal of Athletic Training*, 55(11), 1174–1180. <https://doi.org/10.4085/1062-6050-0536.19>
- Jr, A. T. (2025). *Computational and Experimental Analysis of Knee Kinematics and Gait Variability: The Effects of Load, Speed, and Fatigue on Human Motion*.
- Jr., G. J. C., & Harkless, L. B. (2021). The epidemiology, evaluation, and assessment of lateral ankle sprains in athletes. *Journal of Sports Medicine and Therapy*, 6(2), 008–017. <https://doi.org/10.29328/journal.jsmt.1001052>
- Jungmann, P. M., Lange, T., Wenning, M., Baumann, F. A., Bamberg, F., & Jung, M. (2023). Ankle Sprains in Athletes: Current Epidemiological, Clinical and Imaging Trends. *Open Access Journal of Sports Medicine*, 14, 29–46. <https://doi.org/10.2147/OAJSM.S397634>
- Kadir, W. A., Zaidah, L., & Ariyanto, A. (2022). Faktor resiko kejadian cedera pada pemain futsal putra dan putri PORDA SLEMAN. *Journal Physical Therapy UNISA*, 2(1), 27–32. <https://doi.org/10.31101/jitu.2665>
- Kim, H. Y., Kim, K. J., & Yang, D. S. (2015). *Screw-Home Movement of the Tibiofemoral Joint during Normal Gait: Three-Dimensional Analysis*. 303–309.
- Koris, J., Calder, J. D. F., Dalmau-Pastor, M., Fernandez, M. A., & Ramasamy, A. (2024). Deltoid ligament injuries: A review of the anatomy, diagnosis and treatments. *Knee Surgery, Sports Traumatology, Arthroscopy*, 32(12), 3052–3064. <https://doi.org/10.1002/ksa.12274>
- Lin, J. Z., Lin, Y. A., Tai, W. H., & Chen, C. Y. (2022). Influence of Landing in Neuromuscular Control and Ground Reaction Force with Ankle Instability: A Narrative Review. *Bioengineering*, 9(2). <https://doi.org/10.3390/bioengineering9020068>
- Mason, J., Kniewasser, C., Hollander, K., & Zech, A. (2022). Intrinsic Risk Factors for Ankle Sprain Differ Between Male and Female Athletes: A

Systematic Review and Meta - Analysis. *Sports Medicine - Open*.
<https://doi.org/10.1186/s40798-022-00530-y>

Michels, F., Vereecke, E., & Matricali, G. (2023). Role of the intrinsic subtalar ligaments in subtalar instability and consequences for clinical practice. *Frontiers in Bioengineering and Biotechnology*, 11(March), 1–14.
<https://doi.org/10.3389/fbioe.2023.1047134>

Miguel Ângelo de Castro, C., & João, T. (2019). Intrinsic and Extrinsic Risk Factors for Lateral Ankle Sprain: A Literature Review. *Archives of Sports Medicine*, 3(2), 172–177. <https://doi.org/10.36959/987/247>

MONTELEONE, G., TRAMONTANA, A., SORGE, R., TILOCA, A., & ROSELLI, M. (2023). Ankle sprain and podoscopic footprint pattern in female volleyball players. *Acta Orthopaedica Belgica*, 89(1), 141–145.
<https://doi.org/10.52628/89.1.10704>

Moré-Pacheco, A., Meyer, F., Pacheco, I., Candotti, C. T., Sedrez, J. A., Loureiro-Chaves, R. F., & Loss, J. F. (2019). Ankle sprain risk factors: A 5-month follow-up study in volley and basketball athletes. *Revista Brasileira de Medicina Do Esporte*, 25(3), 220–225.
<https://doi.org/10.1590/1517-869220192503208053>

Mustapha, B., & Zakari, M. K. (2023). Prevalence and associated risk factors of ankle sprain among basketball players in Kaduna State, Nigeria. *Yen Med J*, 5(3), 85–92.

Nesterovica, D. (2020). Definition of the lower extremity overuse: A review. *SHS Web of Conferences*, 85, 02006.
<https://doi.org/10.1051/shsconf/20208502006>

Neumann, D. D. (2010). Kinesiology of the Musculoskeletal System. In *Elsevier*.

Owoeye, O. B. A., Paz, J., & Emery, C. A. (2023). Injury severity at the time of sport-related ankle sprain is associated with symptoms and quality of life in young adults after 3–15 years. *Annals of Medicine*, 55(2).
<https://doi.org/10.1080/07853890.2023.2292777>

Park, H. J., Park, J. O., Jo, H. R., Park, H. A., Wang, S. J., & Lee, C. A. (2022). Extremity Injuries during Sporting Activities According to Life Course: Focusing on Fractures. *Iranian Journal of Public Health*, 51(7), 1585–1593. <https://doi.org/10.18502/ijph.v51i7.10092>

- Poor, M. H., Rajabi, R., Alizadeh, M. H., & Zandi, S. (2022). *Kinematic Changes of the Lower Limb in Individuals With Chronic Ankle Instability During Unilateral Landing Tasks: A Systematic Review*. 12(3), 133–146.
- Schulz, S. V. W., Matits, L., Schwarz, E., Jerg, A., Otte, M., Wiedemann, P., Bizjak, D. A., Kirsten, J., & Henze, A. S. (2025). Lower limb injuries and their association with anthropometrics - an observational study of 381 German elite youth football players. *BMC Sports Science, Medicine and Rehabilitation*, 17(1). <https://doi.org/10.1186/s13102-025-01190-7>
- Séguin, É., & Doumit, M. (2023). *Kinematic and Kinetic Assessment of a Novel Polycentric Knee Joint for Powered Walking Assist Exoskeletons*. 5(1), 6–15.
- Swandari, A., & Al., E. (2024). *Buku Ajar Terapi Latihan pada Osteoarthritis Lutut*.
- Tahoon, A. M., Abdelmageed, S. F., & Mosaad, D. M. (2022). The Mechanical Relation between Chronic Ankle Instability and Pelvic Alignment: A Matched Case-Control Study. *Annals of Applied Sport Science*, 10(4). <https://doi.org/10.52547/aassjournal.1076>
- Tajik, A., Rezaei, K., HaghParast, A., & Mazaheri, M. (2025a). Ankle Sprains in Nonprofessional Athletes: Influence of Sport Type, History, and Leg Dominance. *Medical Journal of The Islamic Republic of Iran*, 2025. <https://doi.org/10.47176/mjiri.39.118>
- Tajik, A., Rezaei, K., HaghParast, A., & Mazaheri, M. (2025b). Ankle Sprains in Nonprofessional Athletes: Influence of Sport Type, History, and Leg Dominance. *Medical Journal of The Islamic Republic of Iran*. <https://doi.org/10.47176/mjiri.39.118>
- Tajik, A., Rezaei, K., HaghParast, A., & Mazaheri, M. (2025c). Ankle Sprains in Nonprofessional Athletes: Influence of Sport Type, History, and Leg Dominance. *Medical Journal of The Islamic Republic of Iran*. <https://doi.org/10.47176/mjiri.39.118>
- Tedeschi, R., Ricci, V., Tarantino, D., Tarallo, L., Catani, F., & Donati, D. (2024). Rebuilding Stability: Exploring the Best Rehabilitation Methods for Chronic Ankle Instability. *Sports*, 12(10), 1–19. <https://doi.org/10.3390/sports12100282>
- Theisen, A., & Day, J. (2019). Chronic Ankle Instability Leads to Lower Extremity Kinematic Changes During Landing Tasks: A Systematic

- Review. *International Journal of Exercise Science*, 12(1), 24–33. <https://doi.org/10.70252/dtnp3988>
- Tummala, S. V., Hartigan, D. E., Makovicka, J. L., Patel, K. A., & Chhabra, A. (2018). 10-Year Epidemiology of Ankle Injuries in Men's and Women's Collegiate Basketball. *Orthopaedic Journal of Sports Medicine*, 6(11), 1–9. <https://doi.org/10.1177/2325967118805400>
- Vancolen, S. Y., Nadeem, I., Horner, N. S., Johal, H., Alolabi, B., & Khan, M. (2019). Return to Sport After Ankle Syndesmotic Injury: A Systematic Review. *Sports Health*, 11(2), 116–122. <https://doi.org/10.1177/1941738118816282>
- Walls, R. J., Ross, K. A., Fraser, E. J., Hodgkins, C. W., Smyth, N. A., Egan, C. J., Calder, J., & Kennedy, J. G. (2016). Football injuries of the ankle: A review of injury mechanisms, diagnosis and management. *World Journal of Orthopedics*, 7(1), 8–19. <https://doi.org/10.5312/wjo.v7.i1.8>
- Waritsu, C., Muliyadi, M., & Widyatna, Y. (2022). Analisis Tingkat Persentase Cedera Ankle Pada Atlet Profesional. *Jurnal Sport Science*, 12(2), 71. <https://doi.org/10.17977/um057v12i2p71-75>
- Wikstrom, E. A., Cain, M. S., Chandran, A., Song, K., Regan, T., Migel, K., & Kerr, Z. Y. (2021). Lateral ankle sprain and subsequent ankle sprain risk: A systematic review. *Journal of Athletic Training*, 56(6), 578–585. <https://doi.org/10.4085/1062-6050-168-20>
- Xu, Y., Song, B., Ming, A., Zhang, C., & Ni, G. (2022a). Chronic ankle instability modifies proximal lower extremity biomechanics during sports maneuvers that may increase the risk of ACL injury: A systematic review. *Frontiers in Physiology*, 13(October), 1–12. <https://doi.org/10.3389/fphys.2022.1036267>
- Xu, Y., Song, B., Ming, A., Zhang, C., & Ni, G. (2022b). Chronic ankle instability modifies proximal lower extremity biomechanics during sports maneuvers that may increase the risk of ACL injury: A systematic review. *Frontiers in Physiology*, 13. <https://doi.org/10.3389/fphys.2022.1036267>
- Yeum, W. J., Lee, M. Y., & Lee, B. H. (2024). The Influence of Hip-Strengthening Program on Patients with Chronic Ankle Instability. *Medicina (Lithuania)*, 60(8), 1–16. <https://doi.org/10.3390/medicina60081199>
- Zhang, C., Chen, N., Wang, J., Zhang, Z., Jiang, C., Chen, Z., Fang, J., Peng, J., Li, W., & Song, B. (2022). The Prevalence and Characteristics of

Chronic Ankle Instability in Elite Athletes of Different Sports: A Cross-Sectional Study. *Journal of Clinical Medicine*, 11(24). <https://doi.org/10.3390/jcm11247478>

Zhang, L., Liu, G., Han, B., Wang, Z., Yan, Y., & Ma, J. (2020). *Knee Joint Biomechanics in Physiological Conditions and How Pathologies Can Affect It : A Systematic Review*. 2020.