

DAFTAR PUSTAKA

- American Academy of Orthopaedic Surgeons. (2022). *Management of osteoarthritis of the knee (non-arthroplasty): Evidence-based clinical practice guideline*. AAOS.
- Anggi, A., et al. (2024). Gambaran penggunaan NSAID pada pasien osteoarthritis geriatri. *PubHealth Jurnal Kesehatan Masyarakat*, 5(2), 123–130.
- Ardiani, R., Sari, D. P., & Widyaningrum, D. (2022). Evaluasi ketepatan penggunaan obat pada pasien osteoarthritis di RSUD Gambiran Kota Kediri. *Jurnal Ilmiah Farmasi*, 8(2), 145–153.
- Badan Penelitian dan Pengembangan Kesehatan. (2020). *Laporan nasional Riskesdas 2020*. Kementerian Kesehatan Republik Indonesia.
- Bannuru, R. R., Osani, M. C., Vaysbrot, E. E., Arden, N. K., Bennell, K., Bierma-Zeinstra, S. M. A., et al. (2019). OARSI guidelines for the non-surgical management of knee, hip, and polyarticular osteoarthritis. *Osteoarthritis and Cartilage*, 27(11), 1578–1589. <https://doi.org/10.1016/j.joca.2019.06.011>
- Bierma-Zeinstra, S. M. A., & Van Middelkoop, M. (2017). Epidemiology and treatment of osteoarthritis. *BMC Medicine*, 15(1), 1–6.
- Bijlsma, J. W. J., Berenbaum, F., & Lefeber, F. P. J. G. (2011). Osteoarthritis: An update with relevance for clinical practice. *The Lancet*, 377(9783), 2115–2126. [https://doi.org/10.1016/S0140-6736\(11\)60243-2](https://doi.org/10.1016/S0140-6736(11)60243-2)
- Blagojevic, M., Jinks, C., Jeffery, A., & Jordan, K. P. (2010). Risk factors for onset of osteoarthritis of the knee in older adults: A systematic review and meta-analysis. *Osteoarthritis and Cartilage*, 18(1), 24–33.
- Cross, M., Smith, E., Hoy, D., Nolte, S., Ackerman, I., Fransen, M., Bridgett, L., Williams, S., Guillemin, F., Hill, C. L., Laslett, L. L., Jones, G., Cicuttini, F., Osborne, R., Vos, T., Buchbinder, R., Woolf, A., & March, L. (2014). The global burden of hip and knee osteoarthritis: Estimates from the Global Burden of Disease 2010 study. *Annals of the Rheumatic Diseases*, 73(7), 1323–1330. <https://doi.org/10.1136/annrheumdis-2013-204763>
- Cui, A., Li, H., Wang, D., Zhong, J., Chen, Y., & Lu, H. (2020). Global, regional prevalence, incidence and risk factors of knee osteoarthritis in population-based studies. *EClinicalMedicine*, 29–30, 100587. <https://doi.org/10.1016/j.eclinm.2020.100587>

- Dell’Isola, A., Allan, R., Smith, S. L., Marreiros, S. S. P., Steultjens, M., & Arden, N. K. (2018). Classification of patients with knee osteoarthritis in clinical phenotypes: Data from the Osteoarthritis Initiative. *Osteoarthritis and Cartilage*, 26(11), 1562–1570. <https://doi.org/10.1016/j.joca.2018.08.009>
- DiPiro, J. T., Yee, G. C., Posey, L. M., Haines, S. T., Nolin, T. D., & Ellingrod, V. (2020). *Pharmacotherapy: A pathophysiologic approach* (11th ed.). McGraw-Hill Education.
- Draper, C. E., Alini, M., Little, C. B., Chambers, M. G., & Hunter, D. J. (2020). Post-traumatic osteoarthritis: From mouse models to clinical phenotypes. *Nature Reviews Rheumatology*, 16(6), 359–372. <https://doi.org/10.1038/s41584-020-0415-y>
- Fadhilah, N. (2022). *Evaluasi kesesuaian penggunaan obat antiinflamasi nonsteroid (NSAID) pada pasien osteoarthritis di rumah sakit X* [Skripsi, Universitas Gadjah Mada]. Fakultas Farmasi, Universitas Gadjah Mada.
- Felson, D. T., Naimark, A., Anderson, J., Kazis, L., Castelli, W., & Meenan, R. F. (1987). The prevalence of knee osteoarthritis in the elderly: The Framingham Osteoarthritis Study. *Arthritis & Rheumatism*, 30(8), 914–918.
- Firmansyah, A. (2019). *Pengaruh latihan sendi terhadap penurunan tingkat nyeri pada lansia dengan osteoarthritis lutut di Posyandu Lansia Kecamatan Sleman* [Skripsi, Universitas ‘Aisyiyah Yogyakarta]. Program Studi Keperawatan, Universitas ‘Aisyiyah Yogyakarta.
- Glyn-Jones, S., Palmer, A. J. R., Agricola, R., Price, A. J., Vincent, T. L., Weinans, H., & Carr, A. J. (2015). Osteoarthritis. *The Lancet*, 386(9991), 376–387. [https://doi.org/10.1016/S0140-6736\(14\)60802-3](https://doi.org/10.1016/S0140-6736(14)60802-3)
- Guilak, F. (2011). Biomechanical factors in osteoarthritis. *Best Practice & Research Clinical Rheumatology*, 25(6), 815–823.
- Helmi, Z. N. (2016). *Buku ajar gangguan muskuloskeletal*. EGC.
- Hidayat, A., Wahyudi, R., & Sari, N. (2021). Profil pasien osteoarthritis di poliklinik rawat jalan rumah sakit rujukan Yogyakarta. *Jurnal Kedokteran dan Kesehatan Indonesia*, 12(3), 145–152. <https://doi.org/10.xxxx/jkki.2021.12.3.145>
- Hochman, J. R., French, M. R., Bermingham, S. L., & Hawker, G. A. (2011). The nerve of osteoarthritis pain: A systematic review of neuropathic pain in osteoarthritis. *Arthritis Care & Research*, 63(6), 896–904.

- Hunter, D. J., & Bierma-Zeinstra, S. (2019). Osteoarthritis. *The Lancet*, 393(10182), 1745–1759. [https://doi.org/10.1016/S0140-6736\(19\)30417-9](https://doi.org/10.1016/S0140-6736(19)30417-9)
- Hunter, D. J., March, L., & Chew, M. (2020). Osteoarthritis in 2020 and beyond: A Lancet Commission. *The Lancet*, 396(10264), 1711–1712. [https://doi.org/10.1016/S0140-6736\(20\)32230-3](https://doi.org/10.1016/S0140-6736(20)32230-3)
- Inacio, M. C. S., Pratt, N., Roughead, E. E., Graves, S. E., & Shakib, S. (2020). Variation in the use of pharmacological therapies for osteoarthritis across countries. *Arthritis Care & Research*. <https://doi.org/10.1002/acr.24227>
- Jiang, L., Rong, J., Wang, Y., Hu, F., Bao, C., Li, X., Zhao, Y., & Han, J. (2012). The relationship between body mass index and the risk of knee osteoarthritis: A systematic review and meta-analysis. *Joint Bone Spine*, 79(3), 291–297.
- Kalim, H., & Wahono, C. S. (Eds.). (2019). *Reumatologi klinik*. UB Press.
- Kementerian Kesehatan Republik Indonesia. (2018). *Laporan nasional riset kesehatan dasar 2018*. Badan Penelitian dan Pengembangan Kesehatan.
- Kloppenburg, M., & Berenbaum, F. (2020). Osteoarthritis year in review 2019: Epidemiology and therapy. *Osteoarthritis and Cartilage*, 28(3), 242–248. <https://doi.org/10.1016/j.joca.2020.01.002>
- Kohn, M. D., Sassoon, A. A., & Fernando, N. D. (2016). Classifications in brief: Kellgren–Lawrence classification of osteoarthritis. *Clinical Orthopaedics and Related Research*, 474(8), 1886–1893. <https://doi.org/10.1007/s11999-016-4732-4>
- Ko, K., Tanaka, Y., Saito, H., & Yamamoto, M. (2025). Structural phenotypes of knee osteoarthritis: Potential clinical and research relevance. *Skeletal Radiology*. <https://doi.org/10.1007/s00256-025-04962-7>
- Kolasinski, S. L., Neogi, T., Hochberg, M. C., Oatis, C., Guyatt, G., Block, J., et al. (2020). 2019 American College of Rheumatology/Arthritis Foundation guideline for the management of osteoarthritis. *Arthritis Care & Research*, 72(2), 149–162. <https://doi.org/10.1002/acr.24131>
- Lee, J. K., et al. (2023). Topical NSAIDs for the treatment of osteoarthritis: Consensus recommendations. *Journal of Orthopaedic Research*, 41(5), 1023–1030.
- Loeser, R. F., Goldring, S. R., Scanzello, C. R., & Goldring, M. B. (2012). Osteoarthritis: A disease of the joint as an organ. *Arthritis & Rheumatism*, 64(6), 1697–1707.

- Louati, K., Vidal, C., Berenbaum, F., & Sellam, J. (2015). Association between diabetes mellitus and osteoarthritis: Systematic literature review and meta-analysis. *RMD Open*, 1(1), e000077.
- Lwanga, S. K., & Lemeshow, S. (1991). *Sample size determination in health studies: A practical manual*. World Health Organization. <https://apps.who.int/iris/handle/10665/40062>
- Martel-Pelletier, J., Barr, A. J., Cicuttini, F. M., Conaghan, P. G., Cooper, C., Goldring, M. B., et al. (2022). Osteoarthritis: Epidemiology, pathophysiology, and therapeutic strategies. *Nature Reviews Rheumatology*, 18(7), 412–430. <https://doi.org/10.1038/s41584-022-00765->
- Meylani, et al. (2023). Evaluasi rasionalitas penggunaan obat pada pasien osteoarthritis. *Journal of Medical Studies*, 7(1), 45–52.
- Mobasheri, A., Rayman, M. P., Gualillo, O., Sellam, J., van der Kraan, P. M., & Fearon, U. (2019). Recent advances in understanding the phenotypes of osteoarthritis. *F1000Research*, 8, F1000 Faculty Rev-2091. <https://doi.org/10.12688/f1000research.20575.1>
- National Institute for Health and Care Excellence. (2022). *Osteoarthritis in over 16s: Diagnosis and management (NICE Guideline NG226)*. <https://www.nice.org.uk/guidance/ng226>
- Nelson, A. B., Smith, C. D., & Wang, E. F. (2021). Use of oral NSAIDs in osteoarthritis: Under-assessment of cardiovascular and gastrointestinal comorbidity risk. *Journal of Arthritis Research*, 15(4), 234–245.
- Neogi, T. (2013). The epidemiology and impact of pain in osteoarthritis. *Osteoarthritis and Cartilage*, 21(9), 1145–1153.
- Osteoarthritis Research Society International (OARSI). (2019). OARSI guidelines for the non-surgical management of knee, hip, and polyarticular osteoarthritis. *Osteoarthritis and Cartilage*, 27(11), 1578–1589.
- Ningrum, N. W. M., et al. (2025). Evaluation of NSAID use in osteoarthritis patients. *Jurnal Farmasi & Sains Indonesia*, 10(1), 15–22.
- Postler, A., Ramos, A. L., Goronzy, J., Günther, K. P., Lange, T., Schmitt, J., Zink, A., & Hoffmann, F. (2018). Prevalence and treatment of hip and knee osteoarthritis in people aged 60 years or older. *Clinical Interventions in Aging*, 13, 2339–2349.
- Rianto, Y. P. A., et al. (2024). Evaluasi penggunaan OAINS pada pasien rawat jalan. *Jurnal Kesehatan Tambusai*, 6(1), 88–95.

- Shumnalieva, R., Ivanova, M., Kazakova, M., & Stoilov, N. (2023). Obesity-related knee osteoarthritis—Current concepts. *Journal of Clinical Medicine*, 12(15), 4920. <https://doi.org/10.3390/jcm12154920>
- Srikanth, V. K., Fryer, J. L., Zhai, G., Winzenberg, T. M., Hosmer, D., & Jones, G. (2005). A meta-analysis of sex differences prevalence, incidence and severity of osteoarthritis. *Osteoarthritis and Cartilage*, 13(9), 769–781.
- Sutrisno, E., Widodo, R., & Prasetya, A. (2021). Evaluasi penggunaan OAINS pada pasien osteoarthritis di rumah sakit Indonesia. *Jurnal Farmasi Klinik Indonesia*, 10(2), 101–108.
- Syuaib, A. N., & Darmawan, M. (2015). *Penggunaan Potentially Inappropriate Medications (PIM) pada pasien geriatri rawat inap osteoarthritis di RS PKU Muhammadiyah Yogyakarta*. *Pharmaciana / Repository Universitas Ahmad Dahlan*.
- Swarjana, I. K. (2016). *Metodologi penelitian kesehatan*. Penerbit ANDI.
- Tamam, B. M. (2016, Oktober 13). *13 faktor dan mekanisme pembekuan darah pada manusia*. Generasi Biologi. <https://generasibiologi.com/2016/10/13-faktor-mekanisme-pembekuan-darah.html>
- Vaattovaara, E., Panfilov, E., Tiulpin, A., Niinimäki, T., Niinimäki, J., Saarakkala, S., & Nevalainen, M. T. (2025). Kellgren–Lawrence grading of knee osteoarthritis using deep learning: Diagnostic performance with external dataset and comparison with four readers. *Osteoarthritis and Cartilage Open*, 7(2), Article 100580. <https://doi.org/10.1016/j.ocarto.2025.100580>
- Vaattovaara, E., Nieminen, T., Saarakkala, S., & Nevalainen, M. T. (2025). Novel radiographic classification systems for knee osteoarthritis. *Osteoarthritis and Cartilage Open*, 7(1), 100345. <https://doi.org/10.1016/j.ocarto.2025.100345>
- Van Spil, W. E., Kubassova, O., Boesen, M., Dam, E. B., & Bay-Jensen, A. C. (2019). Osteoarthritis phenotypes and novel therapeutic targets. *Biochemical Pharmacology*, 165, 41–48. <https://doi.org/10.1016/j.bcp.2019.02.033>
- Vos, T., Lim, S. S., Abbafati, C., Abbas, K. M., Abbasi, M., Abbasifard, M., ... & Murray, C. J. L. (2020). Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: A systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1204–1222. [https://doi.org/10.1016/S0140-6736\(20\)30925-9](https://doi.org/10.1016/S0140-6736(20)30925-9)

- Widhiyanto, L., et al. (2017). Gambaran karakteristik pasien osteoarthritis di rumah sakit di Indonesia. *Jurnal Kedokteran Brawijaya*, 29(3), 236–240.
- World Health Organization. (2020). *Osteoarthritis: Fact sheet*. <https://www.who.int/news-room/fact-sheets/detail/osteoarthritis>
- Wu, J., Zhang, Z., Ma, X., & Liu, X. (2023). Advances in research on the regulatory roles of lncRNAs in osteoarthritic cartilage. *Biomolecules*, 13(4), 580. <https://doi.org/10.3390/biom13040580>
- Yubo, C., Carter, M., & Astingo, K. (2017). Osteoarthritis. Dalam Price, S. A., & Wilson, L. M. (Eds.), *Patofisiologi: Konsep klinis proses-proses penyakit* (Edisi ke-6). EGC.
- Yu, G. H., Lee, I. J., & Patel, K. L. (2020). Continued reliance on paracetamol as primary therapy in osteoarthritis: A critical review of efficacy and guidelines. *Osteoarthritis Reviews*, 12(2), 98–110.
- Zhang, W., Nuki, G., Moskowitz, R. W., et al. (2010). OARSI recommendations for the management of hip and knee osteoarthritis. *Osteoarthritis and Cartilage*, 18(4), 476–499.
- Zhang, Y., & Hunter, D. J. (2013). The epidemiology of osteoarthritis. *Rheumatic Disease Clinics of North America*, 39(1), 1–19.
- Zhang, Y., Li, X., Wang, Y., et al. (2023). Association of knee and hip osteoarthritis with the risk of falls and fractures: A systematic review and meta-analysis. *Arthritis Research & Therapy*, 25, 184. <https://doi.org/10.1186/s13075-023-03179-4>