

## BAB VII

### DAFTAR PUSTAKA

1. World Health Organization. Health in Older Age. In: World Report on Ageing and Health. 2015.
2. UU 13/1998. Undang-Undang No 13 Tahun 1998. Mensesneg 1999 p. 1–2.
3. Maylasari I, Rachmawati Y, Wilson H, Nugroho S, Sulistyowati N, Dewi F. Demografi. In: Statistik Penduduk Lanjut Usia di Indonesia. 2019.
4. Kolasinski SL, Neogi T, Hochberg MC, Oatis C, Guyatt G, Block J, et al. 2019 American College of Rheumatology/Arthritis Foundation Guideline for the Management of Osteoarthritis of the Hand, Hip, and Knee. *Arthritis Care and Research*. 2020;72(2):149–62.
5. Badan Penelitian dan Pengembangan Kesehatan RI. Laporan Nasional Riset Kesehatan Dasar. Kementerian Kesehatan RI. 2018;1–582.
6. Departemen Farmakologi dan Terapeutik Fakultas Kedokteran Universitas Indonesia. Analgesik-Antipiretik Analgesik Anti-Inflamasi Nonsteroid dan Obat Gangguan Sendi Lainnya. In: Farmakologi dan Terapi. 6th ed. Jakarta: Badan Penerbit FKUI; 2016.
7. Kementrian Kesehatan RI. Penggunaan Obat yang Rasional dalam Praktek. In: Kementerian Kesehatan RI. 2011. p. 1–192.
8. Isngadi SNIP. Evaluasi Penggunaan Obat NSAID pada Pasien Osteoarthritis Rawat Jalan di RS TNI AD Robert Wolter Monginsidi Manado. 2018;
9. Ramadhan RI. Rasionalitas Penggunaan OAINS pada Pasien Reumatik Osteoarthritis Rawat Jalan di RSUD Kabupaten Subang Tahun 2014 Ditinjau dari (Tepat Diagnosis, Tepat Dosis, Tepat Cara Pemberian, Tepat Pasien). 2015. 9.
10. Wongrakpanich S, Wongrakpanich A, Melhado K, Rangaswami J. A comprehensive review of non-steroidal anti-inflammatory drug use in the elderly. *Aging and Disease*. 2018;9(1):143–50.
11. Maniar KH, Jones IA, Gopalakrishna R, Vangsness CT. Lowering side effects of NSAID usage in osteoarthritis: recent attempts at minimizing dosage. *Expert Opinion on Pharmacotherapy*. 2018;19(2):93–102.
12. Endo H, Sakai E, Higurashi T, Yamada E, Ohkubo H, Iida H, et al. Differences in the severity of small bowel mucosal injury based on the type of aspirin as evaluated by capsule endoscopy. *Digestive and Liver Disease*. 2012;44(10):833–8.
13. Wallace JL. Mechanisms, prevention and clinical implications of nonsteroidal anti-inflammatory drug-enteropathy. *World Journal of Gastroenterology*. 2013;19(12):1861–76.
14. Spitaels D, Mamouris P, Vaes B, Smeets M, Luyten F, Hermens R, et al. Epidemiology of knee osteoarthritis in general practice: a registry-based study. *BMJ Open*. 2020;10(1):1–9.

15. Egerton T, Nelligan RK, Setchell J, Atkins L, Bennell KL. General practitioners' views on managing knee osteoarthritis: A thematic analysis of factors influencing clinical practice guideline implementation in primary care. *BMC Rheumatology*. 2018;2(1):1–11.
16. Brand CA, Harrison C, Tropea J, Hinman RS, Britt H, Bennell K. Management of osteoarthritis in general practice in Australia. *Arthritis Care and Research*. 2014;66(4):551–8.
17. Public AN, Agenda H. Public Health Challenge. In: *Osteoarthritis : 2020 Update*. 2020.
18. Hunter DJ, Bierma-Zeinstra S. Osteoarthritis. *The Lancet*. 2019;393(10182):1745–59.
19. Soeroso J, Isbagio H, Kalim H, Broto R, Pradimulyo R. Osteoarthritis. In: Setiati S, Alwi I, Sudoyo A, Simadibrata M, Setiyohadi B, Syam A, editors. *Buku Ajar Ilmu Penyakit Dalam*. 6th ed. InternaPublishing; 2018.
20. Glyn-Jones S, Palmer AJR, Agricola R, Price AJ, Vincent TL, Weinans H, et al. Osteoarthritis. *The Lancet*. 2015;386(9991):376–87.
21. Indonesian Rheumatology Association. Diagnosis dan Penatalaksanaan Osteoarthritis. Rekomendasi IRA untuk Diagnosis dan Penatalaksanaan Osteoarthritis. 2014. 1–42.
22. Ibounig T, Simons T, Launonen A, Paavola M. Glenohumeral Osteoarthritis: An Overview of Etiology and Diagnostics. *Scandinavian Journal of Surgery*. 2020;1–11.
23. Li YS, Xiao W feng, Luo W. Cellular aging towards osteoarthritis. *Mechanisms of Ageing and Development*. 2017;162:80–4.
24. Hügle T, Geurts J, Nüesch C, Müller-Gerbl M, Valderrabano V. Aging and osteoarthritis: An inevitable encounter? *Journal of Aging Research*. 2012;2012.
25. Dieppe P, Blom A. Osteoarthritis. In: Blom A, Warwick D, Whitehouse Mi, editors. *Apley & Solomon's System of Orthopaedics and Trauma*. 10th ed. CRC Press Taylor & Francis Group; 2018. p. 91–105.
26. Silverwood V, Blagojevic-Bucknall M, Jinks C, Jordan JL, Protheroe J, Jordan KP. Current evidence on risk factors for knee osteoarthritis in older adults: A systematic review and meta-analysis. *Osteoarthritis and Cartilage*. 2015;23(4):507–15.
27. Losina E, Weinstein AM, Reichmann WM, Burbine SA, Solomon DH, Daigle ME, et al. Lifetime risk and age at diagnosis of symptomatic knee osteoarthritis in the US. *Arthritis Care and Research*. 2013;65(5):703–11.
28. Frey N, Hügle T, Jick SS, Meier CR, Spoendlin J. Hyperlipidaemia and incident osteoarthritis of the hand: a population-based case-control study. *Osteoarthritis and Cartilage*. 2017;25(7):1040–5.
29. Selhofer-Relatić K, Radić R, Stupin A, Šišljadić V, Bošnjak I, Bulj N, et al. Leptin/adiponectin ratio in overweight patients – gender differences. *Diabetes and Vascular Disease Research*. 2018;15(3):260–2.
30. Mandl LA. Osteoarthritis year in review 2018: clinical. *Osteoarthritis and Cartilage*. 2019;27(3):359–64.

31. Calders P, van Ginckel A. Presence of comorbidities and prognosis of clinical symptoms in knee and/or hip osteoarthritis: A systematic review and meta-analysis. *Seminars in Arthritis and Rheumatism*. 2018;47(6):805–13.
32. Williams A, Kamper SJ, Wiggers JH, O'Brien KM, Lee H, Wolfenden L, et al. Musculoskeletal conditions may increase the risk of chronic disease: A systematic review and meta-analysis of cohort studies. *BMC Medicine*. 2018;16(1):1–9.
33. Murphy LB, Hootman JM, Boring MA, Carlson SA, Qin J, Barbour KE, et al. Leisure Time Physical Activity Among U.S. Adults With Arthritis, 2008–2015. *American Journal of Preventive Medicine*. 2017;53(3):345–54.
34. Cleveland RJ, Alvarez C, Schwartz TA, Losina E, Renner JB, Jordan JM, et al. The impact of painful knee osteoarthritis on mortality: a community-based cohort study with over 24 years of follow-up. *Osteoarthritis and Cartilage*. 2019;27(4):593–602.
35. le Clanche S, Bonnefont-Rousselot D, Sari-Ali E, Rannou F, Borderie D. Inter-relations between osteoarthritis and metabolic syndrome: A common link? *Biochimie*. 2016;121:238–52.
36. Courties A, Sellam J. Osteoarthritis and type 2 diabetes mellitus: What are the links? *Diabetes Research and Clinical Practice*. 2016;122(October):198–206.
37. Hall AJ, Stubbs B, Mamas MA, Myint PK, Smith TO. Association between osteoarthritis and cardiovascular disease: Systematic review and meta-analysis. *European Journal of Preventive Cardiology*. 2015;23(9):938–46.
38. Courties A, Berenbaum F, Sellam J. The Phenotypic Approach to Osteoarthritis: A Look at Metabolic Syndrome-Associated Osteoarthritis. *Joint Bone Spine*. 2019;86(6):725–30.
39. Courties A, Sellam J, Berenbaum F. Metabolic syndrome-associated osteoarthritis. *Current Opinion in Rheumatology*. 2017;29(2):214–22.
40. Barbour KE, Helmick CG, Boring M, Brady TJ. Vital Signs: Prevalence of Doctor-Diagnosed Arthritis and Arthritis-Attributable Activity Limitation — United States, 2013–2015. *MMWR Morbidity and Mortality Weekly Report*. 2017;66(9):246–53.
41. Soleha M, Isnawati A, Fitri N, Adelina R, Soblia HT, Winarsih W. Profil Penggunaan Obat Antiinflamasi Nonsteroid di Indonesia. *Jurnal Kefarmasian Indonesia*. 2018;8(2):109–17.
42. Shagroni T, Cazares AR, Kim JA, Furst DE. Nonsteroidal Anti-Inflammatory Drugs, Disease-Modifying Antirheumatic Drugs, Nonopioid Analgesics, & Drugs Used in Gout. In: Katzung BG, Vanderah TW, editors. *Basic & Clinical Pharmacology*. 15th ed. McGraw-Hill Education; 2020. p. 122–7.
43. Nakata K, Hanai T, Take Y, Osada T, Tsuchiya T, Shima D, et al. Disease-modifying effects of COX-2 selective inhibitors and non-selective NSAIDs in osteoarthritis: a systematic review. *Osteoarthritis and Cartilage*. 2018;26(10):1263–73.

44. Su SC, Tanimoto K, Tanne Y, Kunimatsu R, Hirose N, Mitsuyoshi T, et al. Celecoxib exerts protective effects on extracellular matrix metabolism of mandibular condylar chondrocytes under excessive mechanical stress. *Osteoarthritis and Cartilage*. 2014;22(6):845–51.
45. Li Z, Meng D, Li G, Xu J, Tian K, Li Y. Celecoxib Combined with Diacerein Effectively Alleviates Osteoarthritis in Rats via Regulating JNK and p38MAPK Signaling Pathways. *Inflammation*. 2015;38(4):1563–72.
46. El-Sayed RM, Moustafa YM, El-Azab MF. Evening primrose oil and celecoxib inhibited pathological angiogenesis, inflammation, and oxidative stress in adjuvant-induced arthritis: novel role of angiopoietin-1. *Inflammopharmacology*. 2014;22(5):305–17.
47. Panahifar A, Cooper DML, Doschak MR. 3-D localization of non-radioactive strontium in osteoarthritic bone: Role in the dynamic labeling of bone pathological changes. *Journal of Orthopaedic Research*. 2015;33(11):1655–62.
48. Abari IS. 2016 ACR Revised Criteria for Early Diagnosis of Knee Osteoarthritis. *Autoimmune Disease and Therapeutic Approaches*. 2016;3(February):1.
49. British Medical Association, Royal Pharmaceutical Society. BNF 80 September 2020 - March 2021. In BMJ Group and Pharmaceutical Press; 2020.
50. Hawker GA, Mian S, Kendzerska T, French M. Measures of adult pain: Visual Analog Scale for Pain (VAS Pain), Numeric Rating Scale for Pain (NRS Pain), McGill Pain Questionnaire (MPQ), Short-Form McGill Pain Questionnaire (SF-MPQ), Chronic Pain Grade Scale (CPGS), Short Form-36 Bodily Pain Scale (SF-36 BPS), and Measure of Intermittent and Constant Osteoarthritis Pain (ICOAP). *Arthritis Care and Research*. 2011;63(SUPPL. 11):240–52.
51. Alghadir AH, Anwer S, Iqbal A, Iqbal ZA. Test-retest reliability, validity, and minimum detectable change of visual analog, numerical rating, and verbal rating scales for measurement of osteoarthritic knee pain. *Journal of Pain Research*. 2018;11:851–6.
52. Thong ISK, Jensen MP, Miró J, Tan G. The validity of pain intensity measures: What do the NRS, VAS, VRS, and FPS-R measure? *Scandinavian Journal of Pain*. 2018;18(1):99–107.
53. Dijkers M. Comparing quantification of pain severity by verbal rating and numeric rating scales. *Journal of Spinal Cord Medicine*. 2010;33(3):232–42.
54. Chanques G, Viel E, Constantin JM, Jung B, Lattre S de, Carr J, et al. The measurement of pain in intensive care unit: Comparison of 5 self-report intensity scales. *Pain*. 2010;151(3):711–21.
55. Gallasch CH, Alexandre NMC. The measurement of musculoskeletal pain intensity: a comparison of four methods. *Revista Gaúcha de Enfermagem*. 2007;28(2):260–5.

56. Safikhani S, Gries KS, Trudeau JJ, Reasner D, Rüdell K, Coons SJ, et al. Response scale selection in adult pain measures: Results from a literature review. *Journal of Patient-Reported Outcomes*. 2018;2.
57. González-Fernández M, Ghosh N, Ellison T, McLeod JC, Pelletier CA, Williams K. Moving beyond the limitations of the visual analog scale for measuring pain: Novel use of the general labeled magnitude scale in a clinical setting. *American Journal of Physical Medicine and Rehabilitation*. 2014;93(1):75–81.
58. Reyes C, Leyland K, Peat G, Cooper C, Arden Ni, Alhambra D. Association between Overweight and Obesity and Risk of Clinically Diagnosed Knee, Hip, and Hand Osteoarthritis: a population-based cohort study. *Arthritis Rheumatology Hoboken NJ*. 2016;68:1869–75.
59. Centers of disease control. Body mass index: Considerations for practitioners. *Cdc*. 2011;4.
60. Lim JU, Lee JH, Kim JS, Hwang Y il, Kim TH, Lim SY, et al. Comparison of World Health Organization and Asia-Pacific body mass index classifications in COPD patients. *International Journal of COPD*. 2017;12:2465–75.
61. Donato KA. Executive summary of the clinical guidelines on the identification, evaluation, and treatment of overweight and obesity in adults. 1998;158(17):1855–67.
62. Waranugraha Y, Pratomo B, Suryana BP. Hubungan Pola Penggunaan OAINS dengan Gejala Klinis Gastropati pada Pasien Reumatik. *Jurnal Kedokteran Brawijaya*. 2010;26(2):107–12.
63. Dewi DNSSD, Amanda NA, Sasono B. Faktor Dominan pada Penderita Osteoarthritis di RSUD dr. Mohamad Soewandhi, Surabaya, Indonesia. *Jurnal Medika Udayana*. 2020;9(11):1–7.
64. Thati S. Gender Differences in Osteoarthritis of Knee: An Indian Perspective. 2021;16–20.
65. Bihlet AR, Byrjalsen I, Bay-Jensen AC, Andersen JR, Christiansen C, Riis BJ, et al. Associations between biomarkers of bone and cartilage turnover, gender, pain categories and radiographic severity in knee osteoarthritis. *Arthritis Research and Therapy*. 2019;21(1):1–10.
66. Febiantika T. Hubungan IMT dengan Resiko Kejadian Osteoarthritis Genu pada Wanita Usia 60-70 Tahun di Posyandu Lansia. 2018;5–6.
67. Mutiwara E, Najirman N, Afriwardi A. Hubungan Indeks Massa Tubuh dengan Derajat Kerusakan Sendi pada Pasien Osteoarthritis Lutut di RSUP Dr. M. Djamil Padang. *Jurnal Kesehatan Andalas*. 2016;5(2):376–80.
68. Hasibin W. Prevalensi Dan Distribusi Osteoarthritis Lutut Berdasarkan Karakteristik Sosio-Demografi Dan Faktor Risiko Di Wilayah Kerja Puskesmas Susut I, Kecamatan Susut, Kabupaten Bangli Pada Tahun 2014. *Intisari Sains Medis*. 2015;4(1):32–41.
69. EMA. European Medicines Agency Review Concludes Positive Benefit-Risk Balance for Non-Selective NSAIDs. In 2006. p. 413136.
70. Sun Z. Aging, Arterial Stiffness, and Hypertension. *AHA Journals*. 2015;65(2):252–6.

71. Altman R, Bosch B, Brune K, Patrignani P, Young C. Advances in NSAID development: Evolution of diclofenac products using pharmaceutical technology. *Drugs*. 2015;75(8):859–77.
72. Sowers JR. Diabetes Mellitus and Vascular Disease. *AHA Journals*. 2013;61(5):943–7.
73. Paskins Z, Sanders T, Croft PR, Hassell AB. The identity crisis of osteoarthritis in general practice: A qualitative study using video-stimulated recall. *Annals of Family Medicine*. 2015;13(6):537–44.
74. National Institute for Care and Health Excellence. Osteoarthritis : care and management. NICE guidelines. 2021;(February 2014).
75. Egerton T, Diamond LE, Buchbinder R, Bennell KL, Slade SC. A systematic review and evidence synthesis of qualitative studies to identify primary care clinicians' barriers and enablers to the management of osteoarthritis. *Osteoarthritis and Cartilage*. 2017;25(5):625–38.
76. Lau R, Stevenson F, Ong BN, Dziedzic K, Treweek S, Eldridge S, et al. Achieving change in primary care-causes of the evidence to practice gap: Systematic reviews of reviews. *Implementation Science*. 2016;11(1).
77. Hanifah IL. Rasionalitas Penggunaan Obat Osteoarthritis Pada Pasien Osteoarthritis Di Instalasi Rawat Jalan Rsup Dr. Soeradji Tirtonegoro Klaten Tahun 2018. CoreAcUk [Internet]. 2019; Available from: <http://eprints.ums.ac.id/75395/>
78. Zhou J, Li T, Li L, Xue Y. Clinical Efficacy of Calcitonin Compared to Diclofenac Sodium in Chronic Nonspecific Low Back Pain with Type I Modic Changes: A Retrospective Study. *Journal of Pain Research*. 2018;11:1335–42.
79. Altman R, Bosch B, Brune K, Patrignani P, Young C. Advances in NSAID development: Evolution of diclofenac products using pharmaceutical technology. *Drugs*. 2015;75(8):859–77.
80. Cigerim L, Eroglu CN. Comparison of Clinical Efficacies of Preoperatively Initiated Naproxen Sodium–Codeine Phosphate in Combination, Diclofenac Potassium, and Benzydamine Hydrochloride for Pain, Edema, and Trismus After Extraction of Impacted Lower Third Molar: A Randomized Double-Blind Study. *Journal of Oral and Maxillofacial Surgery*. 2018;76(3):495–502.
81. Lissy M, Stiff DD, Kowalski MM, Moore KA. Single-dose Pharmacokinetic Study of Rapidly Dispersing Diclofenac Potassium Formulations in Healthy Volunteers. *Current Medical Research and Opinion*. 2009;25(10):2423–8.
82. Lissy M, Scallion R, Stiff DD, Moore K. Pharmacokinetic Comparison of an Oral Diclofenac Potassium Liquid-filled Soft Gelatin Capsule with A Diclofenac Potassium Tablet. *Expert Opinion on Pharmacotherapy*. 2010;11(5):701–8.
83. Ramdoni I, Sunangsih U, Suharyani I. Studi Rasionalitas Penggunaan Obat Anti-Inflamasi Non-Steroid (OAINS) pada Pasien Penderita Osteoarthritis di Apotek X Kuningan Periode Oktober-Desember 2014. *Jurnal Farmasi Muhammadiyah Kuningan*. 2017;2(1):37–46.

84. Park K, Bavry AA. Risk of stroke associated with nonsteroidal anti-inflammatory drugs. *Vascular Health and Risk Management*. 2014;10:25–32.
85. al Khaja KAJ, Veeramuthu S, Isa HA, Sequeira RP. Prescription audit of NSAIDs and gastroprotective strategy in elderly in primary care. *International Journal of Risk and Safety in Medicine*. 2017;29(1–2):57–68.
86. Abraham NS, El-Serag HB, Johnson ML, Hartman C, Richardson P, Ray WA, et al. National adherence to evidence-based guidelines for the prescription of nonsteroidal anti-inflammatory drugs. *Gastroenterology*. 2005;129(4):1171–8.
87. Singh G, Fort JG, Goldstein JL, Levy RA, Hanrahan PS, Bello AE, et al. Celecoxib Versus Naproxen and Diclofenac in Osteoarthritis Patients: SUCCESS-I Study. *American Journal of Medicine*. 2006;119(3):255–66.
88. Kanno T, Moayyedi P. Who Needs Gastroprotection in 2020? Current Treatment Options in Gastroenterology. 2020;18(4):557–73.
89. Lanza FL, Chan FKL, Quigley EMM, Inadomi J, Baroni D, Bernstein D, et al. Guidelines for prevention of NSAID-related ulcer complications. *American Journal of Gastroenterology*. 2009;104(3):728–38.
90. Gwee KA, Goh V, Lima G, Setia S. Coprescribing proton-pump inhibitors with nonsteroidal anti-inflammatory drugs: Risks versus benefits. *Journal of Pain Research*. 2018;11:361–74.
91. Bjarnason I, Scarpignato C, Holmgren E, Olszewski M, Rainsford KD, Lanas A. Mechanisms of Damage to the Gastrointestinal Tract From Nonsteroidal Anti-Inflammatory Drugs. *Gastroenterology*. 2018;154(3):500–14.