

## DAFTAR PUSTAKA

1. Noor Zairin. Buku ajar gangguan muskuloskeletal. Edisi ke-2. Jakarta : Salemba Medika; 2016.
2. American College of Physicians (ACP). Rheumatology section Medical Knowledge Self-Assessment Program (MKSP) 17. United States of America: Continuing Medical Education; 2015.
3. Litwic A, Edwards MH, Dennison EM, Cooper C. Epidemiology and burden of osteoarthritis. *Br Med Bull.* 2013;105:185-99.
4. CDC (2020). Basic arthritis: Osteoarthritis. Centers for Disease Control and Prevention. <https://www.cdc.gov> – Diakses April 2020.
5. Cross M, Smith E, Hoy D, Nolte S, Ackerman I, Fransen M, et al. The global burden of hip and knee osteoarthritis: estimates from the Global Burden of Disease 2010 study. *Ann Rheum Dis.* 2014;73:1323–30.
6. Kemenkes (2019). Biro Komunikasi dan Pelayanan Masyarakat Kementerian Kesehatan Republik Indonesia. <https://www.kemkes.go.id> - Diakses April 2020.
7. Kemenkes (2018). Hasil Riset Kesehatan Dasar (Riskesdas) Tahun 2018. <https://kesmas.kemkes.go.id> – Diakses Januari 2019.
8. Sudoyo WA, Setiyohadi B, Alwi I, K Simadibrata M, Setiadi S. Buku ajar ilmu penyakit dalam. Jilid III. Edisi V. Jakarta: Interna Publishing; 2009.
9. Donahue SW. Krogh's principle for musculoskeletal physiology and pathology. *J Musculoskelet Neuronal Interact.* 2018 Sep;18(3):284-91.
10. Krishnan Y, Grodzinsky AJ. Cartilage diseases. *Matrix Biol.* 2018 Oct;71-72:51-69.
11. Wachjudi, RG, Dewi, S et all. Diagnosis dan terapi penyakit reumatik. Edisi 1. Sagung Seto: Jakarta; 2006.
12. Chua JR, Pincus T, Castrejon I, Gibson K, Block JA. Secondary osteoarthritis in patients with rheumatoid arthritis appears as severe as inflammation according to physician Visual Analog Scales (VAS), regardless of disease severity. *Osteoarthritis Cartilage.* 2017;25(1):220-1.

13. Yap HY, Tee SZY, Wong MMT, Chow SK, Peh SC, Teow SY. Pathogenic role of immune cells in rheumatoid arthritis: implications in clinical treatment and biomarker development. *Cells*. 2018 Oct;7(10):161.
14. Guido R, Patrizia M, Paolo S. Erosive osteoarthritis of hands: where we are and where we are going. *Journal of Chinese Clinical Medicine*. 2008;3(3):121–2.
15. Safiri S, Kolahi AA, Hoy D, Smith E, Bettampadi D, Mansournia MA, et al. Global, regional and national burden of rheumatoid arthritis 1990–2017: a systematic analysis of the Global Burden of Disease study 2017. *Ann Rheum Dis*. 2019 Nov;78(11):34.
16. Wiyono. *Faktor-faktor yang mempengaruhi Artritis Reumatoid*. Jakarta: Rineka Cipta; 2011.
17. Bortoluzzi A, Furini F, Scirè CA. Osteoarthritis and its management - epidemiology, nutritional aspects and environmental factors. *Autoimmun Rev*. 2018 Nov;17(11):1097-104.
18. Setiati S, Alwi I, Sudoyo AW, Simadibrata M, Setiyohadi B, Syam AF. *Buku ajar ilmu penyakit dalam*. Jilid III. Edisi VI. Jakarta: Interna Publishing; 2014.
19. Dinkes (2018). *Profil Dinas Kesehatan Tahun 2017*. Dinas Kesehatan Sumatera Barat. <http://dinkes.sumbarprov.go.id> - Diakses Maret 2019.
20. Altman R.D. Criteria for the classification of osteoarthritis. *J Rheumatol*. 1991;27(4):10–12.
21. Thomas AC, Turner TH, Wikstrom EA, Smith RM. Epidemiology of posttraumatic osteoarthritis. *J Athl Train*. 2017 Jun;52(6):491–6.
22. Sun H, Peng G, Ning X, Wang J, Yang H and Deng J. Emerging roles of long noncoding RNA in chondrogenesis, osteogenesis, and osteoarthritis. *Am J Transl Res*. 2019;11(1):16-30.
23. Donahue SW. Krogh's principle for musculoskeletal physiology and pathology. *J Musculoskelet Neuronal Interact*. 2018 Sep;18(3):284-291.
24. King LK, March L, Anandacoomarasamy A. Obesity & osteoarthritis. *Indian J Med Res*. 2013;138(2):185-93.

25. Sokolove J, Lepus CM. Role of inflammation in the pathogenesis of osteoarthritis: latest findings and interpretations. *Ther Adv Musculoskelet Dis.* 2013;5(2):77–94.
26. Sellam J, Berenbaum F. The role of synovitis in pathophysiology and clinical symptoms of osteoarthritis. *Nat Rev Rheumatol.* 2010;6:625–35.
27. Altman R, Asch E, Bloch D, Bole G, Borenstein D, Brandt K, et al. Development of criteria for the classification and reporting of osteoarthritis: classification of osteoarthritis of the knee. *Arthritis Rheum.* 1986;29(8):1039.
28. American College of Rheumatology (ACR). Recommendations for the medical management of osteoarthritis of the hip and knee: American College of Rheumatology subcommittee on osteoarthritis guidelines. *Arthritis Rheum.* 2000;43(9):1905-15.
29. Kellgren JH and Lawrence JS. Radiological assessment of osteo-arthritis. *Ann Rheum Dis.* 1957 Dec;16(4):494-502.
30. Hayashi D, Roemar FW, Guermazi A. Imaging for osteoarthritis. [www.sciencedirect.com](http://www.sciencedirect.com) – Diakses Maret 2019.
31. Lakkireddy M, Bedarakota D, Vidyasagar J, Rapur S, Karra M. Correlation among radiographic, arthroscopic and pain criteria for the diagnosis of knee osteoarthritis. *J Clin Diagn Res.* 2015;9(12):4–7.
32. Calabresi E., Petrelli F., Bonifacio A.F., Puxeddu I., Alunno A. One year in review 2018: pathogenesis of rheumatoid arthritis. *Clin. Exp. Rheumatol.* 2018;36:175–184.
33. Cojocaru M, Cojocaru IM, Silosi I, Vrabie CD, Tanasescu R. Extra-articular manifestations in rheumatoid arthritis. *Maedica (Buchar).* 2010; 5(4):286-91.
34. Kinne RW, Bräuer R, Stuhlmüller B, Palombo-Kinne E, Burmester GR. Macrophages in rheumatoid arthritis. *Arthritis Res.* 2000;2(3):189-202.
35. Bondeson J, Wainwright SD, Lauder S, Amos N, Hughes CE. The role of synovial macrophages and macrophage-produced cytokines in driving aggrecanases, matrix metalloproteinases, and other destructive and inflammatory responses in osteoarthritis. *Arthritis Res Ther.* 2006; 8(6):187.

36. Rivellese F, Nerviani A, Rossi FW, Marone G, Matucci-Cerinic M, de Paulis A, Pitzalis C. Mast cells in rheumatoid arthritis: friends or foes?. *Autoimmun Rev.* 2017 Jun;16(6):557-63.
37. Podojil JR, Miller SD. Molecular mechanisms of T-cell receptor and costimulatory molecule ligation/blockade in autoimmune disease therapy. *Immunol Rev.* 2009 May;229(1):337-55.
38. Meednu N, Zhang H, Owen T, Sun W, Wang V, Cistrone C, Rangel-Moreno J, Xing L, Anolik JH. Production of RANKL by memory B cells: a link between B cells and bone erosion in rheumatoid arthritis. *Arthritis Rheumatol.* 2016 Apr;68(4):805-16.
39. Alunno A, Manetti M, Caterbi S, Ibba-Manneschi L, Bistoni O, Bartoloni E, Valentini V, Terenzi R, Gerli R. Altered immunoregulation in rheumatoid arthritis: the role of regulatory T cells and proinflammatory Th17 cells and therapeutic implications. *Mediators Inflamm.* 2015; 2015:751-93.
40. Rao DA. T cells that help B cells in chronically inflamed tissues. *Front Immunol.* 2018;9:1924.
41. Alam J, Jantan I, Bukhari SNA. Rheumatoid arthritis: recent advances on its etiology, role of cytokines and pharmacotherapy. *Biomed Pharmacother.* 2017 Aug;92:615-33.
42. Choy E. Understanding the dynamics: pathways involved in the pathogenesis of rheumatoid arthritis. *Rheumatology (Oxford).* 2012 Jul; 51(5):3-11.
43. Mateen S, Zafar A, Moin S, Khan AQ, Zubair S. Understanding the role of cytokines in the pathogenesis of rheumatoid arthritis. *Clin Chim Acta.* 2016 Apr;45(5):161-71.
44. Tseng WY, Jan Wu YJ, Yang TY, Chiang NY, Tsai WP, Gordon S, Chang GW, Kuo CF, Luo SF, Lin HH. High levels of soluble GPR56/ADGRG1 are associated with positive rheumatoid factor and elevated tumor necrosis factor in patients with rheumatoid arthritis. *J Microbiol Immunol Infect.* 2018 Aug;51(4):485-491.
45. Aggarwal R, Liao K, Nair R, Ringold S, Costenbader KH. Anti-citrullinated peptide antibody assays and their role in the diagnosis of rheumatoid arthritis. *Arthritis Rheum.* 2009 Nov;61(11):1472-83.

46. Kumar S, Pangtey G, Gupta R, Rehan HS, Gupta LK. Assessment of anti-CarP antibodies, disease activity and quality of life in rheumatoid arthritis patients on conventional and biological disease-modifying antirheumatic drugs. *Reumatologia*. 2017;55(1):4-9.
47. Lorenzo P, Aspberg A, Saxne T, Önnarfjord P. Quantification of cartilage oligomeric matrix protein (COMP) and a COMP neoepitope in synovial fluid of patients with different joint disorders by novel automated assays. *Osteoarthritis Cartilage*. 2017 Sep;25(9):1436-42.
48. Aletaha D, Neogi T, Silman AJ, Funovits, Felson T, Bingham III CO, et al. Rheumatoid arthritis classification criteria an American College of Rheumatology/European League Against Rheumatism collaborative initiative. *Arthritis Rheum*. 2010;62:2569-81.
49. Perhimpunan Reumatologi Indonesia (2014). *Diagnosis dan pengelolaan artritis reumatoid*. Perhimpunan Reumatologi Indonesia, Jakarta.
50. Stradubtseva I, Vasilieva L, Nikitin N, Barsukova N. The prevalence of secondary osteoarthritis of the knee in patients with rheumatoid arthritis. *Annals of the Rheumatic Diseases*. 2015 June;74(2):1186.
51. Figueiredo CP, Simon D, Englbrecht M, Haschka J, Kleyer A, Bayat S, et al. Quantification and impact of secondary osteoarthritis in patients with anti-citrullinated protein antibody-positive rheumatoid arthritis. *Arthritis Rheum*. 2016; 68(9): 2114–21.
52. Schett G, Gravallesse E. Bone erosion in rheumatoid arthritis: mechanisms, diagnosis and treatment. *Nat Rev Rheumatol*. 2012; 8:656–64.
53. Yang C, Chanalaris, and Troeberg L. ADAMTS and ADAM metalloproteinases in osteoarthritis looking beyond the ‘usual suspects’. *Osteoarthritis Cartilage*. 2017;25(7): 1000–9.
54. Marshall M, Nicholls E, Kwok W, Peat G, Kloppenburg M, Windt D, et al. Erosive osteoarthritis: a more severe form of radiographic hand osteoarthritis rather than distinct entity? *Ann Rheum Dis*. 2015 Jan;74(1): 136-41.
55. Xia YF, Yin RL, Fu T, et al. Treatment adherence to disease-modifying antirheumatic drugs in Chinese patients with rheumatoid arthritis. *Patient Prefer Adherence*. 2016;10:735–42.

56. Mangnus L, van Steenberg HW, Lindqvist E, et al. Studies on ageing and the severity of radiographic joint damage in rheumatoid arthritis. *Arthritis Res Ther.* 2015;17:222.
57. Zhang L, Wang J, Zhang Q, Fu T, Yin R, Wang Z, et al. Factors associated with hand joint destruction in Chinese patients with rheumatoid arthritis. *BMC Musculoskelet Disord.* 2017;18:211-31.
58. Vidal C, Barnetche T, Morel J, et al. Association of Body Mass Index categories with disease activity and radiographic joint damage in rheumatoid arthritis: a systematic review and metaanalysis. *J Rheumatol.* 2015;42(12):2261–9.
59. Waang T, He C. Pro-inflammatory cytokines: The link between obesity and osteoarthritis. *Cytokine Growth Factor Rev.* 2018 Dec;44:38-50.
60. Finzel S, Englbrecht M, Engelke K, Stach C, Schett G. A comparative study of periarticular bone lesions in rheumatoid arthritis and psoriatic arthritis. *Ann Rheum Dis.* 2011;70:122–7.
61. ACR (2012). Synovitis in secondary osteoarthritis due to rheumatoid arthritis: a proof-of-concept study. American College of Rheumatology (ACR) Meeting Abstracts. <https://acrabstracts.org> - Diakses Agustus 2020.
62. Barhum L. An Overview of Secondary Osteoarthritis. <https://www.verywellhealth.com> - Diakses Maret 2021.
63. Imayati P, Kambayana G. Laporan Kasus Osteoarthritis. <http://scholar.google.co.id> – Diakses Maret 2021.
64. Prieto-Alhambra D, Judge A, Javaid MK, Cooper C, Diez-Perez A, Arden NK. Incidence and risk factors for clinically diagnosed knee, hip and hand osteoarthritis: influences of age, gender and osteoarthritis affecting other joints. *Ann Rheum Dis.* 2014 Sep;73(9):1659-64.
65. Mutiwaru E, Najirman, Afriwardi. Hubungan Indeks Massa Tubuh dengan Derajat Kerusakan Sendi pada Pasien Osteoarthritis Lutut di RSUP Dr. M. Djamil Padang. <http://jurnal.fk.unand.ac.id> – Diakses Maret 2021.
66. Paerunan C, Gessal J, Sengkey L. Hubungan antara Usia dan Derajat Kerusakan Sendi pada Pasien Osteoarthritis Lutut di Instalasi Rehabilitasi

- Medik RSUP Prof. Dr. R. D. Kondou Manado Periode Januari-Juni 2018. <http://scholar.google.co.id> – Diakses Maret 2021.
67. Vandrongelen V, Holoshitz J. Human Leukocyte Antigen-Disease Associations in Rheumatoid Arthritis. *Rheum Dis Clin North Am.* 2017;43(3):363-376.
68. Feng J, Chen Q, Yu F, et al. Body Mass Index and Risk of Rheumatoid Arthritis: A Meta-Analysis of Observational Studies. *Medicine (Baltimore).* 2016;95(8):e2859.
69. Zheng H, Chen C. Body mass index and risk of knee osteoarthritis: systematic review and meta-analysis of prospective studies. *BMJ Open.* 2015;5(12):e007568.
70. Koentjoro SL. Hubungan antara Indeks Massa Tubuh (IMT) dengan Derajat Osteoarthritis Lutut Menurut Kellgren dan Lawrence. <http://scholar.google.co.id> – Diakses Maret 2021.
71. Venera G. Nyeri Otot, Tulang dan Sendi Akibat Pekerjaan Rumah Tangga. <https://flexfreeclinic.com/artikel/...nyeri-otot-tulang-dan-sendi-akibat-pekerjaan-rumah-tangga>. – Diakses Maret 2021.
72. Hewlett S, Dures E, Almeida C. Measures of fatigue: Bristol Rheumatoid Arthritis Fatigue Multi-Dimensional Questionnaire (BRAFM-DQ), Bristol Rheumatoid Arthritis Fatigue Numerical Rating Scales (BRAFN-RS) for severity, effect, and coping, Chalder Fatigue Questionnaire (CFQ), Checklist Individual Strength (CIS20R and CIS8R), Fatigue Severity Scale (FSS), Functional Assessment Chronic Illness Therapy (Fatigue) (FACIT-F), Multi-Dimensional Assessment of Fatigue (MAF), Multi-Dimensional Fatigue Inventory (MFI), Pediatric Quality Of Life (PedsQL) Multi-Dimensional Fatigue Scale, Profile of Fatigue (ProF), Short Form 36 Vitality Subscale (SF-36 VT), and Visual Analog Scales (VAS). *Arthritis Care Res (Hoboken).* 2011 Nov;63 Suppl 11:S263-86.
73. Ali SJ. Hubungan antara Derajat Radiologi menurut Kellgren dan Lawrence dengan Tingkat Nyeri pada Pasien Osteoarthritis Genu di RS. Universitas Hasanudin. <http://scholar.google.co.id> – Diakses Maret 2021.

74. Suryana BP, Sari RK, Tamayanti WD, Hasanah D. Hubungan antara Parameter Klinis dan Laboratoris dengan Status Remisi Penyakit pada Pasien Artritis Reumatoid yang Mendapat Terapi Metotreksat. <http://scholar.google.co.id> – Diakses Maret 2021.
75. Kohn MD, Sassoon AA, Fernando ND. Classifications in Brief: Kellgren-Lawrence Classification of Osteoarthritis. Clin Orthop Relat Res. 2016 Aug;474(8):1886-93.

