

DAFTAR PUSTAKA

- Ageing And Health.* (T.T.). Diambil 23 November 2025, Dari <https://www.who.int/news-room/fact-sheets/detail/ageing-and-health>.
- American Geriatrics Society Beers Criteria® Update Expert Panel.* (2019a). American Geriatrics Society 2019 Updated Ags Beers Criteria® For Potentially Inappropriate Medication Use In Older Adults. *Journal Of The American Geriatrics Society*, 67(4), 674–694. <https://doi.org/10.1111/jgs.15767>
- American Geriatrics Society (2023) : Updated Ags Beers Criteria® For Potentially Inappropriate Medication Use In Older Adults Analgesic Usage In Elderly At Public Health Center: A Study In West Java, Indonesias.* (2025). *Researchgate*. <https://doi.org/10.15850/amj.v4n1.1014>
- Albishri J. NSAIDs and hypertension. *Anaesth Pain & Intensive Care* 2013; 17(2):171-173
- Alfaro RA, Davis DD. Diclofenac. [Updated 2023 May 22]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2026 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK557879/>
- Annual Scientific Meeting: Journal Of The American Geriatrics Society: Vol 68, No SI.* (T.T.). Diambil 6 Desember 2025, Dari <https://agsjournals.onlinelibrary.wiley.com/toc/15325415/2020/68/S>
- Barbara C Wimmer "Clinical Outcomes Associated With Medication Regimen Complexity In Older People" (2022) : A Systematic Review.
- Bozzetto Ambrosi C, Bozzetto Ambrosi P. Chronic Pain in Elderly: Emerging Challenges and Updates about Line of Care and Pathways [Internet]. Neurological Problems in the Elderly - Bridging Current State and New Outlooks. IntechOpen; 2025. <https://doi.org/10.5772/intechopen.1010202>
- Ballering AV, Olde Hartman TC, Verheij R, Rosmalen JGM. Sex and gender differences in primary care help-seeking for common somatic symptoms: a longitudinal study. *Scand J Prim Health Care*. 2023 Jun;41(2):132-139.

doi: 10.1080/02813432.2023.2191653. Epub 2023 Mar 30. PMID: 36995265; PMCID: PMC10193899.

Bodman MA, Dreyer MA, Varacallo MA. Diabetic Peripheral Neuropathy. [Updated 2024 Feb 25]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2026 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK442009/>

Data Bps 2024, 21,47% Penduduk Kota Surabaya Masih Anak-Anak | Pusat Data Ekonomi Dan Bisnis Indonesia | Databoks. Diambil 23 November 2025, Dari

<https://Databoks.Katadata.Co.Id/Demografi/Statistik/C97354cd852ed9e/Data-Bps-2024-21-47-Penduduk-Kota-Surabaya-Masih-Anak-Anak>

Diabetic Peripheral Neuropathy Myron A. Bodman (2024) ; Mark A. Dreyer; Matthew A. Varacallo. Author Information And Affiliations February 25.

Farmakologi Dasar & Klinis Katzung, Edisi Ke-16 | Accesspharmacy | Mcgraw Hill Medical. (T.T.). Diambil 13 Desember 2025, Dari <https://Accesspharmacy.Mhmedical.Com/Book.aspx?Bookid=3382>

Febrina, S., Rahmatini, R. And Miro, S. (2023) “Hubungan Lama Penggunaan Obat Antiinflamasi Nonsteroid Dengan Kejadian Dispepsia Pada Pasien Osteoarthritis Di Puskesmas Andalas Kota Padang,” *Jurnal Ilmu Kesehatan Indonesia*, 4(1), Pp. 1–8. Available At: <https://doi.org/10.25077/jikesi.v4i1.929>.

Finnerup, N. B., Kuner, R., & Jensen, T. S. (2021a). Neuropathic Pain: From Mechanisms To Treatment. *Physiological Reviews*, 101(1), 259–301. <https://doi.org/10.1152/Physrev.00045.2019>

Freo U, Ruocco C, Valerio A, Scagnol I, Nisoli E. Paracetamol: A Review of Guideline Recommendations. *J Clin Med*. 2021 Jul 31;10(15):3420. doi: 10.3390/jcm10153420. PMID: 34362203; PMCID: PMC8347233.

Fitzgerald, J. D., Dalbeth, N., Mikuls, T., Brignardello-Petersen, R., Guyatt, G., Abeles, A. M., Gelber, A. C., Harrold, L. R., Khanna, D., King, C., Levy, G., Libbey, C., Mount, D., Pillinger, M. H., Rosenthal, A., Singh, J. A., Sims, J. E., Smith, B. J., Wenger, N. S., ... Neogi, T. (2020). 2020 American College Of Rheumatology Guideline For The Management Of

- Gout. *Arthritis Care & Research*, 72(6), 744–760.
<https://doi.org/10.1002/Acr.24180>
- Fudin, J., Raouf, M., Wegrzyn, E. L., & Schatman, M. E. (2018). Safety Concerns With The Centers For Disease Control Opioid Calculator. *Journal Of Pain Research*, 11, 1–4.
<https://doi.org/10.2147/Jpr.S155444>
- Gian Maria Pacifici. Clinical Pharmacology of Diclofenac. *Biomed J Sci & Tech Res* 56(5)-2024. BJSTR. MS.ID.008918
- Harnis, Z. E., & M. (2019) “Umum Tanjung Pura Kabupaten Langkat Periode Januari Sampai Juni 2018,” *Ilmiah Farmasi Imelda*, 2(2), Pp. 51–58.
- Horgas, A. L. (2017). Pain Management In Older Adults. *The Nursing Clinics Of North America*, 52(4), E1–E7.
<https://doi.org/10.1016/J.Cnur.2017.08.001>
- Huang YL, Tsay WI, Her SH, Ho CH, Tsai KT, Hsu CC, Wang JJ, Huang CC. Chronic pain and use of analgesics in the elderly: a nationwide population-based study. *Arch Med Sci*. 2020 Feb 11;16(3):627-634. doi: 10.5114/aoms.2020.92894. PMID: 32399112; PMCID: PMC7212229.
- Indonesia, B. P. S. T.T. *Statistik Penduduk Lanjut Usia 2023*. Diambil 3 Desember 2025, Dari <https://www.bps.go.id/publication/2023/12/29/5d308763ac29278dd5860fad/statistikpenduduk-lanjut-usia-2023.html>
- Jamal, F. (2022). Penilaian Dan Modalitas Tatalaksana Nyeri. *Jurnal Kedokteran Nanggroe Medika*, 5(3), 66–73.
<https://doi.org/10.35324/Jknamed.V5i3.211>
- Jóźwiak-Bebenista M, Nowak JZ. Paracetamol: mechanism of action, applications and safety concern. *Acta Pol Pharm*. 2014 Jan-Feb;71(1):11-23. PMID: 24779190.
- Jenis-Jenis Nyeri | Pendidikan Manajemen Nyeri Di Ucsf*. (T.T.). Diambil 13 Desember 2025, Dari <https://pain.ucsf.edu/patients/types-of-pain>
- Juwita. (T.T.). *Mixed Pain Pada Low Back Pain: Elaborasi Dan Identifikasi. Kemenkes Ri, 2019* (T.T.).

- Khadilkar SS. Musculoskeletal Disorders and Menopause. J Obstet Gynaecol India. 2019 Apr;69(2):99-103. doi: 10.1007/s13224-019-01213-7. Epub 2019 Mar 7. PMID: 30956461; PMCID: PMC6430266.
- Kemenkes RI (2019) "Pedoman Nasional Pelayanan Kedokteran Tata Laksana Nyeri," Chemical Reviews, 8(5), P. 55.
- LiverTox®: Clinical and Research Information on Drug-Induced Liver Injury [Internet]. Bethesda (MD): National Institute of Diabetes and Digestive and Kidney Diseases; 2012-. Mefenamic Acid. [Updated 2025 Aug 10]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK548029/>
- Liang, S., Wang, (2024). Insights from pharmacovigilance and pharmacodynamics on cardiovascular safety signals of NSAIDs. *Frontiers in Pharmacology*, 15, 1455212.
- Maja R. Radojčić "Prevalence, Incidence, And Re-Occurrence Risk Of Musculoskeletal Pain In Older Adults In The United Kingdom" (2022): A Population-Based Study. *Chemical Review* 9(1),P.45
- MIMS Indonesia. Mefenamic acid: uses & dosage [Internet]. Jakarta: MIMS Indonesia; [cited 2026 Jun 12].
- Manajemen Nyeri Pada Lansia | Hign.* (T.T.). Diambil 20 Januari 2026, Dari <https://Hign.Org/Consultgeri/Resources/Protocols/Pain-Management-Older-Adults>
- Markovics, D., Virág, A., & Gadó, K. (2025). Management Of Chronic Pain In Elderly Patients: The Central Role Of Nurses In Multidisciplinary Care. *Geriatrics*, 10(4), 110. <https://doi.org/10.3390/Geriatrics10040110>
- Ms, S. A. K., Md. (2025, Desember 17). *The Challenge Of Geriatric Pain | Psychiatric Times*. <https://www.psychiatrictimes.com/view/challenge-geriatric>
- Monteiro C, Silvestre S, Duarte AP, Alves G. Safety of Non-Steroidal Anti-Inflammatory Drugs in the Elderly: An Analysis of Published Literature and Reports Sent to the Portuguese Pharmacovigilance System. *Int J Environ Res Public Health*. 2022 Mar 16;19(6):3541. doi: 10.3390/ijerph19063541. PMID: 35329224; PMCID: PMC8949212.

- Ngo VTH, Bajaj T. Ibuprofen. [Updated 2024 Aug 11]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2026 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK542299/>
- Ngcobo, N.N. Influence of Ageing on the Pharmacodynamics and Pharmacokinetics of Chronically Administered Medicines in Geriatric Patients: A Review. *Clin Pharmacokinet* **64**, 335–367 (2025). <https://doi.org/10.1007/s40262-024-01466-0>
- Pai U, Venkata R A, Shah A, et al. (July 21, 2025) Consensus on the Use of Mefenamic Acid in Pediatric Practice (MAPP): Perspectives From Indian Pediatricians. *Cureus* 17(7): e88412. DOI 10.7759/cureus.88412
- Panchal, N. K., & Prince Sabina, E. (2023). Non-steroidal anti-inflammatory drugs (NSAIDs): A current insight into its molecular mechanism eliciting organ toxicities. <https://doi.org/10.1016/j.fct.2022.113598>
- Pergolizzi, J., Böger, R. H., Budd, K., Dahan, A., Erdine, S., Hans, G., Kress, H.-G., Langford, R., Likar, R., Raffa, R. B., & Sacerdote, P. (2008). Opioids And The Management Of Chronic Severe Pain In The Elderly: Consensus Statement Of An International Expert Panel With Focus On The Six Clinically Most Often Used World Health Organization Step Iii Opioids (Buprenorphine, Fentanyl, Hydromorphone, Methadone, Morphine, Oxycodone). *Pain Practice: The Official Journal Of World Institute Of Pain*, 8(4), 287–313. <https://doi.org/10.1111/J.1533-2500.2008.00204.X>
- Pickering, G., Kotlińska-Lemieszek, A., Krcevski Skvarc, N., O'mahony, D., Monacelli, F., Knaggs, R., Morel, V., & Kocot-Kępska, M. (2024). Pharmacological Pain Treatment In Older Persons. *Drugs & Aging*, 41(12), 959–976. <https://doi.org/10.1007/s40266-024-01151-8>
- Profil Kesehatan Indonesia 2021*. (2023, Juli 11). <https://www.kemkes.go.id/id/profil-kesehatan-indonesia-2021>
- Purwoto, A., Tribakti, I., Cahya, M. R. F., Khoiriyah, S., Tahir, R., Rini, D. S., Novrika, B., Usman, R. D., & Susanto, W. H. A. (2023). *Manajemen Nyeri. Global Eksekutif Teknologi*.

<https://scholar.google.com/scholar?cluster=4417254387416885225&scholar>

Putro et al 2017 *Analgesic Usage in Elderly at Public Health Center: A Study in West Java, Indonesia*

Gembong Soeyono Putro, Herri S. Sastramihardja, dan Lazuardhi Dwipa

Research Highlights—Human Health Advances | National Institutes Of Health (Nih). (T.T.). Diambil 6 Desember 2025, Dari

[https://www.nih.gov/news-events/nih-research-matters/2020-](https://www.nih.gov/news-events/nih-research-matters/2020-research-highlights-human-health-advances)

[Research-Highlights-Human-Health-Advances](https://www.nih.gov/news-events/nih-research-matters/2020-research-highlights-human-health-advances)

Rahmiyati, Prasetyo S. Faktor –Faktor Determinan Kejadian Hipertensi Pada Lansia Dan Non-Lansia Di Indonesia: Data Ski 2023. *Jurnal Ners.* 2025;9(2):2839-2850.

Rianto, Y. P. A., Permata, B. R., & Rohmana, V. M. (2025). Evaluasi Rasionalitas Penggunaan Obat Antiinflamasi Non Steroid (OAINS) Pada Pasien Osteoarthritis di RSO.Prof. Dr. R. Soeharso Surakarta. *Jurnal Kesehatan Tambusai*, 6(3), 13628–13636.

Radojčić MR, Perera RS, Hart DJ, Spector TD and Arden NK (2023) Prevalence, incidence, and re-occurrence risk of musculoskeletal pain in older adults in the United Kingdom: a population-based study. *Front. Pain Res.* 4:1197810. doi: 10.3389/fpain.2023.1197810

Romi Harianto, R. (2020). *Evaluasi Kuantitas Penggunaan Analgesik di Puskesmas Ngemplak 1 Periode Tahun 2015–2019 Menggunakan Metode ATC/DDD.* Universitas Islam Indonesia.

Safety Of Non-Steroidal Anti-Inflammatory Drugs In The Elderly (2025) : An Analysis Of Published Literature And Reports Sent To The Portuguese Pharmacovigilance System Cristina Monteiro

Sex And Gender Differences In Primary Care Help-Seeking For Common Somatic Symptoms: A Longitudinal Study Aranka V. Ballering, Tim C. Olde Hartman, Robert Verheij & Judith G. M. Rosmalen

Sanabria Vera CJ, Jaramillo Simbaña RM, Vivanco Carrión DM, Pachar Castro GB, Loja Nagua MG, Cabrera Valle AM. Diabetic Neuropathy in Older Adults: Pathophysiological and Clinical Approach. *Glob J Obes Diabetes*

- Metab Syndr. 2025; 12(1): 8-15. Available from: [10.17352/2455-8583.000067](https://doi.org/10.17352/2455-8583.000067)
- Sugiyono, D. (2013). *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif Dan R&D*.
[https://Digilib.Unigres.Ac.Id/Index.Php?P=Show_Detail&Id=43](https://digilib.unigres.ac.id/index.php?P=Show_Detail&Id=43)
- Stillhart C, Asteriadis A, Bocharova E, Eksteen G, Harder F, Kusch J, Tzakri T, Augustijns P, Matthys C, Vertzoni M, Weitschies W, Reppas C. The impact of advanced age on gastrointestinal characteristics that are relevant to oral drug absorption: An AGePOP review. *Eur J Pharm Sci*. 2023 Aug 1;187:106452. doi: 10.1016/j.ejps.2023.106452. Epub 2023 Apr 23. PMID: 37098371.
- Togo K, Ebata N, Yonemoto N, Abraham L. Safety Risk Associated With Use Of Nonsteroidal Anti-Inflammatory Drugs In Japanese Elderly Compared With Younger Patients With Osteoarthritis And/Or Chronic Low Back Pain: A Retrospective Database Study. *Pain Pract*. 2022 Feb;22(2):200-209. Doi: 10.1111/Papr.13079. Epub 2021 Oct 4. Pmid: 34538031; Pmcid: Pmc9292906.
- Tseng, Y.-T., Schaefer, B., Wei, P., & Wang, L. (2023). Defensive Responses: Behaviour, The Brain And The Body. *Nature Reviews. Neuroscience*, 24(11), 655–671. <https://doi.org/10.1038/S41583-023-00736-3>
- Tualeka, U., Satibi And Fudholi, A. (2021) “Analisis Ketersediaan Obat Di Puskesmas Kabupaten Maluku Tengah,” *Jurnal Farmaseutik*, 17(3), Pp. 303–311. Available At: <https://doi.org/10.22146/Farmaseutik.V1i1.54084>.
- Tura, F., Pickering, S., Hansen, M., & Hunter, J. (2024a). Intersectional Inequalities In Trust In The Police In England. *Crimrxiv*. <https://doi.org/10.21428/Cb6ab371.52c402f8>
- Vitani, R. A. I. (2019). Tinjauan Literatur: Alat Ukur Nyeri Untuk Pasien Dewasa Literature Review: Pain Assessment Tool To Adults Patients. *Jurnal Manajemen Asuhan Keperawatan*, 3(1), 1–7. <https://doi.org/10.33655/Mak.V3i1.51>

Wimmer BC, Cross AJ, Jekanovic N, Wiese MD, George J, Johnell K, Diug B, Bell JS. Clinical Outcomes Associated with Medication Regimen Complexity in Older People: A Systematic Review. *J Am Geriatr Soc*. 2017 Apr;65(4):747-753. doi: 10.1111/jgs.14682. Epub 2016 Dec 19. PMID: 27991653.

Welsh TP, Yang AE, Makris UE. Musculoskeletal Pain in Older Adults: A Clinical Review. *Med Clin North Am*. 2020 Sep;104(5):855-872. doi: 10.1016/j.mcna.2020.05.002. Epub 2020 Jul 15. PMID: 32773050; PMCID: PMC8034863.

Who 2021 (T.T.).

World Health Statistics 2020. (2020). World Health Organization. <https://www.who.int/publications/b/53778>

World Health Statistics 2022. (T.T.). Diambil 3 Desember 2025, Dari <https://www.who.int/news/item/20-05-2022-world-health-statistics->

