

## DAFTAR PUSTAKA

1. Alegbeleye BJ, Akpoveso OOP, Mohammed RK, et al. Pharmacology, Pharmaceutics and Clinical Use of Aspirin: A Narrative Review. *Journal of Drug Delivery and Therapeutics*. 2020 Oct 15;10(5-s):236–53.
2. Departemen Farmakologi dan Terapeutik FKUI. *Farmakologi dan Terapi*. 6th ed. Jakarta: Fakultas Kedokteran Universitas Indonesia; 2016.
3. Watanabe T, Fujiwara Y, Chan FKL. Current knowledge on non-steroidal anti-inflammatory drug-induced small-bowel damage: a comprehensive review. Vol. 55, *Journal of Gastroenterology*. Springer; 2020. p. 481–95.
4. Patrono C. Aspirin. In: *Platelets*. Elsevier; 2019. p. 921–36.
5. Neumann FJ, Sousa-Uva M, Ahlsson A, et al. 2018 ESC/EACTS Guidelines on myocardial revascularization. Vol. 40, *European Heart Journal*. Oxford University Press; 2019. p. 87–165.
6. Angelia T. Efek Samping Aspirin. *Jurnal Medika Utama*. 2021 Oct 1;3.
7. Farhan MR, Oktora MZ, Hasni D. Pengaruh Pemberian Aspirin terhadap Gambaran Histopatologi Mukosa Gaster Mencit. *Kesehatan As-Shiha*. 2022.
8. Moro MG, Sanchez PKV, Gevert MV, et al. Gastric and renal effects of COX-2 selective and non-selective NSAIDs in rats receiving low-dose aspirin therapy. *Braz Oral Res*. 2016;30(1):1–7.
9. Duvnjak M, Smirčić-Duvnjak L. *Gastrointestinal Complications of Diabetes: A Comprehensive Guide*. 1st ed. Cham: Humana Press; 2018.
10. Eroschenko VP. *Atlas histologi dengan korelasi fungsional*. 13th ed. Jakarta: EGC; 2022.
11. Mescher AL. *Junqueira's Basic Histology: Text and Atlas*. 16th ed. New York: McGraw-Hill Education; 2021.
12. Sherwood L. *Fisiologi Manusia: Dari Sel ke Sistem*. 9th ed. Jakarta: EGC; 2019.
13. Hall JE. *Guyton dan Hall Buku Ajar Fisiologi Kedokteran*. Edisi ke-13. Widjajakusumah MD, editor. Jackson: Elsevier Health Sciences; 2019. 777–778 p.
14. Yuslianto Y. *Gambaran Penggunaan Obat Antiplatelet Pada Pasien Stroke Iskemik di Instalasi Rawat Inap RSUD dr. Soekardjo Tasikmalaya*. 2024.
15. Putri AR. *Penggunaan Obat Antihipertensi Dan Antiplatelet Pada Pasien Stroke Rawat Inap di RS PKU Muhammadiyah Bantul*. *Jurnal Para Pemikir*. 2017 Jun 2;6.
16. Seo SI, Kang JG, Kim HS, et al. Risk of Peptic Ulcer Bleeding Associated with *Helicobacter pylori* Infection, Nonsteroidal Anti-inflammatory Drugs, and Low-dose Aspirin Therapy in Peptic Ulcer Disease: A Case-control Study. *The Korean Journal of Helicobacter and Upper Gastrointestinal Research*. 2019 Mar 10;19(1):42–7.
17. Fuster V, Sweeny JM. Aspirin: A historical and contemporary therapeutic overview. Vol. 123, *Circulation*. 2011. p. 768–78.
18. White AA, Stevenson DD. Aspirin-Exacerbated Respiratory Disease. Longo DL, editor. *New England Journal of Medicine*. 2018 Sep 13;379(11):1060–70.

19. National Center for Biotechnology Information. PubChem. 2025. PubChem Compound Summary for CID 2244, Aspirin.
20. Lovell AR, Ernst ME. Drug-Induced Hypertension: Focus on Mechanisms and Management. Vol. 19, Current Hypertension Reports. Current Medicine Group LLC 1; 2017.
21. Brunton LL, Knollmann BC, Hilal-Dandan R. Goodman & Gilman's The Pharmacological Basis of Therapeutics. 13th ed. New York: McGraw-Hill Education; 2018.
22. Schünke M, Schulte E, Schumacher U, et al. Prometheus: Atlas Anatomi Manusia – Organ Dalam. 5th ed. Jakarta: EGC (Penerbit Buku Kedokteran); 2021.
23. Sadler TW. Langman's Medical Embryology. 14th ed. Philadelphia: Wolters Kluwer; 2019.
24. Gilroy AM, MacPherson BR, Wikenheiser JC. Atlas of Anatomy. 4th ed. Voll M& WK, editor. New York: Thieme; 2020.
25. Zeng Q, Ou L, Wang W, et al. Gastrin, Cholecystokinin, Signaling, and Biological Activities in Cellular Processes. Vol. 11, Frontiers in Endocrinology. Frontiers Media S.A.; 2020.
26. Rus V, Ruxanda F, Damian A, et al. Histological Aspects of Brunner's Glands in Chinchillas (*Chinchilla lanigera*). Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Veterinary Medicine. 2019 Nov 25;76(2):170–4.
27. Takeuchi K, Amagase K. Roles of Cyclooxygenase, Prostaglandin E2 and EP Receptors in Mucosal Protection and Ulcer Healing in the Gastrointestinal Tract. *Curr Pharm Des.* 2018 Jun 29;24(18):2002–11.
28. Fujimura T, Kondo T, Kobayashi K, al. Acid increases PGE2 in the duodenal mucosa in rats. *J Clin Biochem Nutr.* 2021;70(1):28–32.
29. Barrett KE, Barman SM, Boitano S, et al. Ganong's Review of Medical Physiology. 26th ed. New York (NY): McGraw-Hill Education; 2019.
30. Nolte T, Brander-Weber P, Dangler C, et al. Nonproliferative and proliferative lesions of the gastrointestinal tract, pancreas and salivary glands of the rat and mouse. *J Toxicol Pathol.* 2016;29(1):1S-124S.
31. Schweinfurth MK. The social life of norway rats (*Rattus norvegicus*). Vol. 9, eLife. eLife Sciences Publications Ltd; 2020.
32. Stevani H. Modul Bahan Ajar Cetak Farmasi Praktikum Farmakologi. 1st ed. Kemenkes RI; 2016.
33. Rejeki PS, Putri EAC, Prasetya RE. Ovariektomi pada Tikus dan Mencit. Surabaya: Airlangga University Press; 2019.
34. Sugihardana D, Diyang S, Putri A. Ethical And Legal Aspects of Research Involving Animal Subjects in Indonesia. *Alauddin Law Development Journal (ALDEV).* 2024;6(3).
35. Cheluvappa R, Scowen P, Eri R. Ethics of animal research in human disease remediation, its institutional teaching; and alternatives to animal experimentation. Vol. 5, Pharmacology Research and Perspectives. Wiley-Blackwell Publishing Ltd; 2017.

36. Mellor DJ. Moving beyond the “Five freedoms” by updating the “five provisions” and introducing aligned “animalwelfare aims.” Vol. 6, *Animals*. MDPI AG; 2016.
37. Stiller CO, Hjemdahl P. Lessons from 20 years with COX-2 inhibitors: Importance of dose–response considerations and fair play in comparative trials. Vol. 292, *Journal of Internal Medicine*. John Wiley and Sons Inc; 2022. p. 557–74.
38. Sohail R, Mathew M, Patel KK, et al. Effects of Non-steroidal Anti-inflammatory Drugs (NSAIDs) and Gastroprotective NSAIDs on the Gastrointestinal Tract: A Narrative Review. *Cureus*. 2023 Apr 3;
39. Tawfik AG, Gomez-Lumbreras A, Del Fiol G, et al. Nonsteroidal Anti-Inflammatory Drugs and Risk of Gastrointestinal Bleeding: A Systematic Review and Meta-Analysis. *Clinical Pharmacology and Therapeutics*. John Wiley and Sons Inc; 2025.
40. Bjarnason I, Scarpignato C, Holmgren E, et al. Mechanisms of Damage to the Gastrointestinal Tract From Nonsteroidal Anti-Inflammatory Drugs. Vol. 154, *Gastroenterology*. W.B. Saunders; 2018. p. 500–14.
41. El-Ashmawy NE, Khedr EG, El-Bahrawy HA, et al. Gastroprotective effect of garlic in indomethacin induced gastric ulcer in rats. *Nutrition*. 2016 Jul 1;32(7–8):849–54.
42. Alfadil A. Gastroprotective Effect of 2,3-Dimethylquinoxaline Against Indomethacin-Induced Gastric Ulcer in Rat. *J Inflamm Res*. 2024;17:1983–94.
43. Oncel S, Basson MD. Gut homeostasis, injury, and healing: New therapeutic targets. Vol. 28, *World Journal of Gastroenterology*. Baishideng Publishing Group Inc; 2022. p. 1725–50.
44. Ko KA, Lee DK. Nonsteroidal Anti-Inflammatory Drug-Induced Peptic Ulcer Disease. *The Korean Journal of Helicobacter and Upper Gastrointestinal Research*. 2025 Mar 10;25(1):34–41.
45. Otani K, Tanigawa T, Watanabe T, et al. Microbiota Plays a Key Role in Non-Steroidal Anti-Inflammatory Drug-Induced Small Intestinal Damage. Vol. 95, *Digestion*. S. Karger AG; 2017. p. 22–8.
46. Zhang WT, Wang MR, Hua GD, et al. Inhibition of Aspirin-Induced Gastrointestinal Injury: Systematic Review and Network Meta-Analysis. *Front Pharmacol*. 2021 Aug 12;12.
47. Hernández C, Barrachina MD, Vallecillo-Hernández J, et al. Aspirin-induced gastrointestinal damage is associated with an inhibition of epithelial cell autophagy. *J Gastroenterol*. 2016 Jul 1;51(7):691–701.
48. Zhu B, Zhang W, Lu Y, et al. Network pharmacology-based identification of protective mechanism of Panax Notoginseng Saponins on aspirin induced gastrointestinal injury. *Biomedicine and Pharmacotherapy*. 2018 Sep 1;105:159–66.