

DAFTAR PUSTAKA

1. Kidney Disease: Improving Global Outcomes. KDIGO 2012 Clinical Practice Guideline for the Evaluation and Management of Chronic Kidney Disease. *Kidney Int Suppl.* 2013;3(1):1–150.
2. GBD Chronic Kidney Disease Collaboration. Global, regional, and national burden of chronic kidney disease, 1990–2017. *Lancet.* 2020;395(10225):709–733.
3. World Health Organization. Noncommunicable diseases country profiles 2018. Geneva: WHO; 2018.
4. Kementerian Kesehatan RI. Laporan Nasional RISKESDAS 2018. Jakarta: Kemenkes RI; 2018.
5. Diputra AA, Sari IP, Nurulita NA. Analisa drug related problem (DRPs) pada pasien gagal ginjal kronik stadium akhir yang menjalani hemodialisa di RSUD 45 Kuningan. *J Pharmacopolium.* 2020;3(3):107-120.
6. Damayantie N, Rusmimpong R, Mashudi M, Ditiaharman R. Analisis faktor kualitas hidup pasien gagal ginjal kronik yang menjalani hemodialisa. *J Keperawatan Silampari.* 2022;6(1):585-592.
7. Singh AP, Heldaus J, Msaki AP. Hemodialysis complications: a clinical insight. *Int J All Res Educ Sci Methods.* 2023;11(3):640-647.
8. Haksara E, Rahmanti A, Margiyati M, Triabadi IS. Clinical features of end stage renal disease patients undergoing hemodialysis. *J Ilmu Kesehat.* 2024;1(3):13-26.
9. Kim W. Hemodialysis procedure and prescription. In: *Essentials Clin Dial.* 2018:49-71.
10. Departemen Kesehatan Republik Indonesia. Pedoman pelayanan hemodialisis di sarana pelayanan kesehatan. Jakarta: Depkes RI; 2008.
11. Indriani A, Khumaedi I, Elita D, Khumaedi AI. Mortalitas pada pasien hemodialisis masih menjadi tantangan global. 2025;12(2):30-32.
12. Adiana S, Maulina D. Klasifikasi permasalahan terkait obat (drug related problems/DRPs): review. *Indones J Health Sci.* 2022;2(2):54-58.
13. Tay HY, Islahudin F, Siaw YY, Wong WC, Asyikin N, Tahir M. Drug-Related Problems Among Peritoneal Dialysis Patients: A 12-Year Retrospective Cohort Study. 2024;16(9).
14. Septiani DD, Putra RP. Analisa drug related problems (DRPs) pada pasien gagal ginjal kronik yang menjalani hemodialisa di RSUD Dr Harjono

- Ponorogo. *J Insa Farm Indones.* 2024;7(3):216-227.
15. Annisa S. Kajian drug related problems (DRPs) pada pasien hemodialisis di RSUP Dr. M. Djamil Padang tahun 2023 [skripsi]. Padang: Universitas Andalas; 2023.
 16. Alwiyah F, Rudiyanto W, Anggraini DI, Windarti I. Anatomi dan fisiologi ginjal: tinjauan pustaka. *Medula.* 2024;14(2):285-289.
 17. Ambarawati R, WY K. Peningkatan pengetahuan remaja tentang menjaga kesehatan ginjal. *J Budimas.* 2025;7(1):1-9.
 18. Widowati H, Rinata E. Bahan ajar anatomi. Sidoarjo: UMSIDA Press; 2020.
 19. Israyati N. Anatomi dan fisiologi bagi mahasiswa kebidanan. Yogyakarta: Penerbit; 2019.
 20. Susanto FH. Penyakit ginjal kronis dan hipertensi. Jakarta: Penerbit; 2020.
 21. *Kidney Disease: Improving Global Outcomes (KDIGO).* Chapter 1: definition and classification of CKD. 2013:19-62.
 22. Aditama NZ, Kusumajaya H. Faktor-faktor yang berhubungan dengan kualitas hidup pasien gagal ginjal kronis. *Penelit Perawat Prof.* 2024;6:109-120.
 23. Kementerian Kesehatan Republik Indonesia. Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/328/2020 tentang pencegahan dan pengendalian penyakit ginjal kronik. Jakarta: Kementerian Kesehatan RI; 2020.
 24. Gultom MD, Sudaryo MK. Hubungan hipertensi dengan kejadian gagal ginjal kronik di RSUD DR. Djasamen Saragih Kota Pematang Siantar Tahun 2020. *J Epidemiol Kesehat Komunitas.* 2023;8(1):40-47.
 25. Hasanah U, Dewi NR, Ludiana L, Pakarti AT, Inayati A. Analisis faktor-faktor risiko terjadinya penyakit ginjal kronik pada pasien hemodialisis. *J Wacana Kesehat.* 2023;8(2):96-102.
 26. Prihatiningtias KJ, Arifianto. Faktor-faktor risiko terjadinya penyakit ginjal kronik. *J Ners Widya Husada.* 2020;4(2):57-64.
 27. DiPiro JT, Yee GC, Posey LM, Haines ST, Nolin TD, Ellingrod V. *Pharmacotherapy: a pathophysiologic approach.* 11th ed. New York: McGraw-Hill Education; 2020.
 28. Utami IAA, Santhi DGDD, Lestari AAW. Prevalensi dan komplikasi pada penderita gagal ginjal kronik yang menjalani hemodialisa di RSUP Sanglah Denpasar tahun 2018. *Intisari Sains Medis.* 2020;11(3):1216-1221.

29. Napitupulu R, Paridah P, Tukan RA, Alfianur A, Wijayanti D, Lesmana H. Penyakit ginjal kronis pada masyarakat di wilayah pesisir. *MAHESA Malahayati Health Student J.* 2024;4(7):2872-2882.
30. Chester AC, Argy WP. Polycystic kidney disease: diagnosis and management. *South Med J.* 1979;72(12):1582-1586.
31. Abdu S, Satti YC. Analisis faktor determinan kualitas hidup pasien gagal ginjal kronik yang menjalani terapi hemodialisis. *J Keperawatan Florence Nightingale.* 2024;7(1):236-245.
32. Lenggogeni DP, Malini H, Krisdianto BF. Manajemen komplikasi dan keluhan pada pasien yang menjalani hemodialisis. *J War Pengabdian Andalas.* 2020;27(4):245-253.
33. Rahma N, Jundapri K, Susyanti D, Suharto S. Asuhan keperawatan pada pasien gagal ginjal kronik dengan hemodialisa melalui tindakan kompres dingin pada AV shunt. *SENTRI J Ris Ilm.* 2023;2(12):5163-5171.
34. Roetker NS, Guo H, Ramey DR, McMullan CJ, Atkins GB, Wetmore JB. Hemodialysis vascular access and risk of major bleeding, thrombosis, and cardiovascular events: a cohort study. *Kidney Med.* 2022;4(6):100456.
35. Kandarini Y, Winangun IM, Triabadi IS. Hemodialisis sustained low-efficiency dialysis: indikasi dan penerapannya. *Intisari Sains Medis.* 2021;12(1):453-459.
36. Cahyani AAAE, Prasetya D, Abadi MF. Gambaran diagnosis pasien pra-hemodialisa di RSUD Wangaya tahun 2020-2021. 2022;5(2):37-42.
37. Angfakh MA, Wildan M, Cahyono HD. The relationship between hemodialysis frequency and quality of life in chronic kidney disease. *J Keperawatan Malang.* 2024;9(1):89-99.
38. Mehmood Y, Umair A, Ali I. Acute intradialytic complications found on maintenance hemodialysis. *Prof Med J.* 2019;26(1):45-50.
39. Delanaye P. Kidney function. *Onco-Nephrology.* 2019:1-8.
40. Mehmood Y, Umair A, Ali I. Hemodialysis: acute intradialytic complications found on maintenance. *Prof Med J.* 2019;26(1):45-50.
41. Departemen Kesehatan Republik Indonesia. Pedoman pelayanan hemodialisis di sarana pelayanan kesehatan. Jakarta: Depkes RI; 2008.
42. Lekpittaya N, Kocharoen S, Angkanavisul J, Siriudompas T, Montakantikul P, Paiboonvong T. Drug-related problems identified by clinical pharmacists in an academic medical centre in Thailand. *J Pharm Policy Pract.* 2024;17(1):1-13.

43. Jarab AS, Al-Qerem W, Alzoubi KH, Tharf M, Abu Heshmeh S, Al-Azayzih A. Patterns of drug-related problems and the services provided to optimize drug therapy in the community pharmacy setting. *Saudi Pharm J*. 2023;31(9):101746.
44. Lukas S, Viega S, Supusepa DA. Drug related problems (DRPs) berdasarkan kategori PCNE V6.2. *Soc Clin Pharm Indones J*. 2017;1(2):77-83.
45. Oktavia SY, Ardi LD, Almasdy D. Kajian potensi interaksi obat pada pasien rawat jalan dengan polifarmasi di RSUD HAMBATA Batang Hari tahun 2020. *Menara Ilmu*. 2020;17(1):71-82.
46. Suria, Sapparina T, Ifaya M. Identifikasi drug related problem (DRP) pada pasien hipertensi rawat jalan di RSUD Kota Kendari periode Oktober–Desember 2021. *J Pharm Mandala Waluya*. 2023;2(6):305-312.
47. Cipolle RJ, Strand LM, Morley PC. *Pharmaceutical care practice: the patient-centered approach to medication management*. 3rd ed. New York: McGraw-Hill; 2012.
48. Pharmaceutical Care Network Europe (PCNE). *Pharmaceutical care network Europe classification for drug related problems V9.00 (Indonesian version)*. 2020.
49. Peraturan Menteri Kesehatan Republik Indonesia Nomor 72 Tahun 2016 tentang Standar Pelayanan Kefarmasian di Rumah Sakit. Jakarta: Kementerian Kesehatan RI; 2016.
50. Rahmatullah D. Peran farmasis klinis pada pasien gagal ginjal tahap akhir dengan hemodialisis. 2012;1:1-10.
51. Daifi C, Feldpausch B, Roa PA, Yee J. Implementation of a clinical pharmacist in a hemodialysis facility: a quality improvement report. *Kidney Med*. 2021;3(2):241-247.
52. National Collaborating Centre for Primary Care. *Medicines adherence: involving patients in decisions about prescribed medicines and supporting adherence*. London: NICE; 2009.
53. Paneerselvam GS, Kah YC, Farrukh MJ, Yuda A, Hermansyah A, Mohd Asmani MF. Impact of pharmacist-led medication review among hemodialysis patients: a systematic review. *J Pharm Policy Pract*. 2025;18(1):1-28.
54. Kementerian Kesehatan RI. *Laporan Nasional Riset Kesehatan Dasar (Riskesdas) 2018*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan; 2018.
55. Puspitasari S, Nopitasari BL, Honsa AR. Hubungan kepatuhan menjalani terapi hemodialisis dengan kualitas hidup pasien gagal ginjal kronik di

RSUD Provinsi NTB. *J Ilm Farmasi*. 2025;3(1):8-15.

56. Sari RP, Soleman SR. Gambaran Kualitas Hidup pada Pasien Gagal Ginjal Kronis yang Menjalani Hemodialisa di RSUD Ibu Fatmawati Soekarno Surakarta. 2024;2(4):123–32.
57. Euphora NL, Samira J. Hubungan lama menjalani hemodialisis dengan status gizi pada pasien gagal ginjal kronik. *Indonesian Journal of Applied Science and Technology*. 2023;4(1):96-107.
58. Ipo A, Aryani T, Suri M. Hubungan jenis kelamin dan frekuensi hemodialisa dengan kualitas hidup pasien gagal ginjal kronik yang menjalani hemodialisa di Rumah Sakit Umum Daerah Raden Mattaher Jambi. *Jurnal Akademika Baiturrahim*. 2016;5(2):46-55.
59. Tampake R, Doho ADS. Karakteristik pasien gagal ginjal kronik yang menjalani hemodialisa. *Lentora Nursing Journal*. 2021;1(2):39-43.
60. Cheung AK, Chang TI, Cushman WC, et al. Executive summary of the KDIGO 2021 clinical practice guideline for the management of blood pressure in chronic kidney disease. *Kidney Int*. 2021;99(3):559-569.
61. Kartini A, Yanti E, Mamile R, Hidayati KPH, Dwimartyono F. Karakteristik pasien penyakit ginjal kronis di Rumah Sakit Ibnu Sina Makassar tahun 2019-2021. 2022;3(2):126-138
62. Siagian Y, Alit DN, Suraidah. Analisis faktor yang berhubungan dengan kepatuhan pembatasan asupan cairan pasien hemodialisa. *Jurnal Menara Medika*. 2021;4(1):72-80..
63. Suciana F, Hidayati IN, Kartini. Korelasi lama dan frekuensi hemodialisa dengan kualitas hidup pada pasien hemodialisa. *Motorik J Kesehat*. 2020;15(1):13-20.
64. Taylor DM, Fraser S, Dudley C, Oniscu GC, Tomson C, Ravanan R, et al. Health literacy and patient outcomes in chronic kidney disease: a systematic review. *Nephrol Dial Transplant*. 2018;33:1545-1558.
65. Indonesian Renal Registry. 11th report of Indonesian renal registry 2018. Jakarta: Perhimpunan Nefrologi Indonesia; 2018.
66. Dinas Kesehatan Provinsi Sumatera Utara. Laporan Provinsi Sumatera Utara. Medan: Dinas Kesehatan Provinsi Sumatera Utara;2018.
67. Nugraha SA, Utama WT. Analysis of hypertension as a risk factor for chronic kidney disease. *J Penyakit Ginjal*. 2023;12:60–64.
68. Aziz A, et al. Registry kesehatan Provinsi Sulawesi Utara berbasis instalasi rawat jalan RSUD Pancaran Kasih Manado. 2018;100.

69. Bila S, Evra NN, Putri AM, Anggraini D. Hubungan Antara Anemia dan Fungsi Ginjal pada Pasien dengan Penyakit Ginjal Kronis.
70. Lucas S. Cardiorenal Syndrome. *Jurnal Anestesiologi Indonesia*. 2022;14(3):257–273.
71. Kidney Disease: Improving Global Outcomes (KDIGO). Supplement to KDIGO 2026 clinical practice guideline for the management of anemia in chronic kidney disease (CKD). 2026;109(1).
72. Stauffer ME, Fan T. Prevalence of anemia in chronic kidney disease in the United States. *PLoS One*. 2014;9(1):e84943.
73. Mannon EC, O'Connor PM. Alkali supplementation as a therapeutic in chronic kidney disease: what mediates protection? *Am J Physiol Renal Physiol*. 2020;319:F1090–F1104. doi:10.1152/ajprenal.00343.2020.
74. Chen J yi, Lin H min, Hsieh C chen, Tsai K ting. Original Article Sodium Bicarbonate Treatment and Clinical Outcomes in Chronic Kidney Disease with Metabolic Acidosis. 2024;959–969.
75. Septiani DD, Putra RFXP, Susilowati. Analisa drug related problems (DRPs) pada pasien gagal ginjal kronik yang menjalani hemodialisis di RSUD Dr Harjono Ponorogo. *J Insan Farmasi Indonesia*. 2024;7(3):216–227.
76. Hassan MB, Siddique S, Maheswari SK, Neelam F, Neha F, Lohan B, et al. Chronic kidney disease and cardiovascular risk: Pathophysiology and interventional approaches- systematic review. *Medicine (Baltimore)*. 2025;104(49):e46189
77. Hepler CD, Strand LM. Opportunities and responsibilities in pharmaceutical care. *Am J Hosp Pharm*. 1990;47:533-543.
78. Wilkes S, Zaal RJ, Abdulla A, Hunfeld NGM. A cost – benefit analysis of hospital - wide medication reviews : a period prevalence study. *Int J Clin Pharm*. 2022;44(1):138–145.
79. Basger BJ, Moles RJ, Chen TF. Application of drug-related problem (DRP) classification systems: a review of the literature. *Eur J Clin Pharmacol*. 2014;70:799-815.
80. Badan Pusat Statistik. Keadaan Angkatan Kerja di Indonesia Agustus 2023. Jakarta: BPS; 2023.
81. Republik Indonesia. Undang-Undang Republik Indonesia Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional. Jakarta; 2003.
82. Sholihah I, Pratama TDS, Irakusumawati ND, Rahardjoputro R. A study of drug related problems in chronic kidney disease patients in hospital. *J Farm Sains Prakt*. 2024;10(2):108-21.

83. Al Hamid A, Ghaleb M, Aljadhey H, Aslanpour Z. A systematic review of hospitalization resulting from medicine-related problems in adult patients. *Br J Clin Pharmacol*. 2014;77(2):202–217.
84. World Health Organization. Global action plan on antimicrobial resistance. Geneva: World Health Organization; 2015.
85. Bektay MY, Ayhan YE, Çakmak M, Mercumek B. Identification and evaluation of drug-related problems in community pharmacy in Turkey: a descriptive prevalence study. *BMC Prim Care*. 2023;24:45
86. Cardone KE, Bacchus S, Assimon MM, Pai AB, Manley HJ. Medication-related problems in CKD. *Adv Chronic Kidney Dis*. 2010;17(5):404-412.
87. Perhimpunan Nefrologi Indonesia. 11 th Report og Indonesia Renal Registry 2018. 11th Ed. Indonesia Renal Registry. 2018;1-46.
88. Peter WLS, Guo H, Kabadi S, Gilbertson DT, Peng Y, Pendergraft T, et al. Prevalence, treatment patterns, and healthcare resource utilization in non-dialysis-dependent chronic kidney disease patients with and without anemia in the United States. 2018;1-11.
89. Alshamrani M, Almalki A, Qureshi M, Yusuf O, Ismail S. Polypharmacy and medication-related problems in hemodialysis patients: a call for deprescribing. *pharmacy (Basel)*. 2018;6(3):80.1-9.
90. Ashely C, Dunleavy A, editors. *The Renal Drug Handbook: The Ultimate Prescribing Guide for Renal Practitioners*. 4th ed. London: Radcliffe Publishing; 2014.
91. British National Formulary BNF 81. UK: BMJ Group and Pharmaceutical Press; 2021.

