

## DAFTAR PUSTAKA

- Abdu, S., & Satti, Y. C. (2024). Analisis Faktor Determinan Kualitas Hidup Pasien Gagal Ginjal Kronik yang Menjalani Terapi Hemodialisis. *Jurnal Keperawatan Florence Nightingale*, 7(1), 236–245. <https://doi.org/10.52774/jkfn.v7i1.178>
- Afandi, putri, Y. (2021). Explorasi Kualitas Hidup Pasien Hemodialisis Dimasa Pandemi Covid-19 Di Rumah Sakit Jember. *Concept and Communication*, null(23), 301–316.
- Ainun, S., Br, A., & Rey, I. (2025). Hubungan Aktivitas Fisik dengan Kualitas Hidup Pasien Hubungan Aktivitas Fisik dengan Kualitas Hidup Pasien. 12(3), 10–15. <https://doi.org/10.7454/jpdi.v12i3.1600>
- Amirudin, & Sumariana, I. M. (2024). Infeksi Saluran Kemih Sebagai Faktor Resiko Terjadi Gagal Ginjal Kronik Stadium V: Study Kasus. *Jurnal Keperawatan Florence Nightingale*, 7(1), 204–209. <https://doi.org/10.52774/jkfn.v7i1.172>
- Anding-Rost, K., von Gersdorff, G., von Korn, P., Ihorst, G., Josef, A., Kaufmann, M., Huber, M., Bär, T., Zeißler, S., Höfling, S., Breuer, C., Gärtner, N., Haykowsky, M. J., Degenhardt, S., Wanner, C., & Halle, M. (2023). Exercise during Hemodialysis in Patients with Chronic Kidney Failure. *NEJM Evidence*, 2(9). <https://doi.org/10.1056/evidoa2300057>
- Astuti, R. P., Arovah, N. I., & Sukarmin, Y. (2024). The Association Between Physical Activity Levels And Quality Of Life Among Patients With Chronic Kidney Disease Receiving Hemodialysis Treatment. *Retos*, 58, 804–810. <https://doi.org/10.47197/retos.v58.106576>
- Ávila, E., Sepúlveda, R. A., Retamal, J., & Hachim, D. (2025). Biocompatibility In Hemodialysis: Artificial Membrane And Human Blood Interactions. In *BMC Nephrology* (Vol. 26, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s12882-025-04401-y>

- Ayu Pramesti Hariyadi, A., Dwi Pramana, K., Buly Fatrahady, H. L., Rama Putra, M., Al-Azhar, I. (2024). Hubungan Lama Menjalani Hemodialisis Dengan Indeks Massa Tubuh, Aktivitas Fisik, dan Kualitas Tidur Pada Pasien Penyakit Ginjal Tahap Akhir di Rumah Sakit Umum Daerah Bangli. *Jurnal Ilmiah Wahana Pendidikan*, 10(17), 78–93. <https://doi.org/10.5281/zenodo.13852152>
- Battaglia, Y., Baciga, F., Bulighin, F., Amicone, M., Mosconi, G., & Storari, A. (2024). *Physical activity and exercise in chronic kidney disease : consensus statements from the Physical Exercise Working Group of the Italian Society of Nephrology*. <https://doi.org/10.1007/s40620-024-02049-9>
- Battaglia, Y., Baciga, F., Bulighin, F., Amicone, M., Mosconi, G., Storari, A., Brugnano, R., Pozzato, M., Motta, D., D'alessandro, C., Torino, C., Mallamaci, F., Cupisti, A., Aucella, F., & Capitanini, A. (2024). Physical activity and exercise in chronic kidney disease: consensus statements from the Physical Exercise Working Group of the Italian Society of Nephrology. *Journal of Nephrology*, 37(7), 1735–1765. <https://doi.org/10.1007/s40620-024-02049-9>
- Bello, A. K., Okpechi, I. G., Osman, M. A., Cho, Y., Htay, H., Jha, V., Wainstein, M., & Johnson, D. W. (2022). Epidemiology of haemodialysis outcomes. *Nature Reviews Nephrology*, 18(6), 378–395. <https://doi.org/10.1038/s41581-022-00542-7>
- Chao, C.-T., Kovesdy, C. P., & Merchant, R. A. (2025). Sarcopenia, sarcopenic obesity, and frailty in individuals with chronic kidney disease: a comprehensive review. *Kidney Research and Clinical Practice*. <https://doi.org/10.23876/j.krcp.24.207>
- Dai, L., Lu, C., Liu, J., Li, S., Jin, H., Chen, F., Xue, Z., Miao, C., & Zhang, Q. (2020). Impact

of twice-or three-Times-weekly maintenance hemodialysis on patient outcomes: A multicenter randomized trial. *Medicine (United States)*, 99(20).  
<https://doi.org/10.1097/MD.00000000000020202>

Dharmansyah, D., & Budiana, D. (2021). *Indonesian Adaptation of The International Physical Activity Questionnaire (IPAQ): Psychometric Properties*.  
<https://doi.org/10.17509/jpki.v7i2.39351>

Ermawati, N., Imasari, T., & Arifatunnisa, Y. (n.d.). *Gambaran Jumlah Eosinofil Dan Neutrofil Pada Pasien Gagal Ginjal Kronik Di Rsud Gambiran Kota Kediri*.  
<http://journal.universitaspahlawan.ac.id/index.php/ners>

Farragher, J., Davis, J. A., Thomas, C., Ravani, P., Manns, B., Elliott, M. J., & Hemmelgarn, B. R. (2025). Occupational Priorities of People on Hemodialysis Who Participated in Energy Management Education. *Canadian Journal of Occupational Therapy*, 92(2), 94–101.  
<https://doi.org/10.1177/00084174241271205>

Febyolla, C. L., Pardilawati, C. Y., Junando, M., & Damayanti, E. (2025). Article Review: Faktor Risiko Terjadinya Gagal Ginjal Kronik Di Indonesia. *Jurnal Farmasi SYIFA*, 3(1), 50–57. <https://doi.org/10.63004/jfs.v3i1.646>

Filipčič, T., Bogataj, Š., Pajek, J., & Pajek, M. (2021). Physical activity and quality of life in hemodialysis patients and healthy controls: A cross-sectional study. *International Journal of Environmental Research and Public Health*, 18(4), 1–10.  
<https://doi.org/10.3390/ijerph18041978>

Firnida Ningsih, A., Retno Sulistyarningsih, D., & Setyawati, R. (2025). Aktivitas Fisik, Fatigue Dan Kualitas Tidur Pada Pasien Hemodialisa. *Jurna Ilmu Farmasi Dan Kesehatan*, 3(2).

<https://doi.org/10.59841/an-najat.v3i2.2454>

Ford, E., Stewart, K., Garcia, E., Sharma, M., Whitlock, R., Getachew, R., Rossum, K., Duhamel, T. A., Verrelli, M., Zacharias, J., Komenda, P., Tangri, N., Rigatto, C., MacRae, J. M., & Bohm, C. (2024). Randomized Controlled Trial of the Effect of an Exercise Rehabilitation Program on Symptom Burden in Maintenance Hemodialysis: A Clinical Research Protocol. *Canadian Journal of Kidney Health and Disease*, 11. <https://doi.org/10.1177/20543581241234724>

Fukushima, R. L. M., Costa, J. L. R., & Orlandi, F. de S. (2018). Atividade física e a qualidade de vida de pacientes com doença renal crônica em hemodiálise. *Fisioterapia e Pesquisa*, 25(3), 338–344. <https://doi.org/10.1590/1809-2950/18021425032018>

Ghafourifard, M., Mehrizade, B., Hassankhani, H., & Heidari, M. (2021). Hemodialysis patients perceived exercise benefits and barriers: the association with health-related quality of life. *BMC Nephrology*, 22(1). <https://doi.org/10.1186/s12882-021-02292-3>

Gunarathne, T. G. N. S., Tang, L. Y., Lim, S. K., Nanayakkara, N., Damayanthi, H. D. W. T., & Abdullah, K. L. (2022). Factors Associated with Symptom Burden in Adults with Chronic Kidney Disease Undergoing Hemodialysis: A Prospective Study. *International Journal of Environmental Research and Public Health*, 19(9). <https://doi.org/10.3390/ijerph19095540>

Gupta, S., Rana, S., Das, A., Kumar, V., Rathi, M., Kohli, H. S., & Gupta, K. L. (2019). Case Report Intestinal Tuberculosis : A Rare Case of Massive Gastrointestinal Bleed in a Post - Renal Transplant Recipient. *Indian Journal of Nephrology*, 132–134. <https://doi.org/10.4103/ijn.IJN>

Hadi, F. K. (2020). Aktivitas Olahraga Bersepeda Masyarakat Di Kabupaten Malang Pada Masa

- Pandemi Covid-19. *Sport Science and Education Journal*, 1(2), 28–36.  
<https://doi.org/10.33365/ssej.v1i2.777>
- Halle, M., Manfredini, F., Floege, J., & Zoccali, C. (2024). *Physical exercise in haemodialysis patients : which type of exercise is more convenient?* 17(7), 1–6.  
<https://doi.org/10.1093/ckj/sfae165>
- Hamdan, Z., Nazzal, Z., Zidan, S., Bsharat, L., Ishtayah, S., Sammoudi, S., & Badrasawi, M. (2025). Sex-based variations in the nutritional and functional status of hemodialysis patients in Palestine: a cross-sectional study. *BMC Nutrition*, 11(1). <https://doi.org/10.1186/s40795-025-01081-7>
- Han, M., Van Der Sande, F. M., Kooman, J. P., Tao, X., Preciado, P., Tisdale, L., Thwin, O., & Kotanko, P. (2025). Dialysis-imposed, weekly and seasonal patterns of physical activity: A multi-center prospective study in patients using a wearable activity tracker. *Clinical Kidney Journal*, 18(8), 1–11. <https://doi.org/10.1093/ckj/sfaf217>
- Henny Syapitri, Amila, J. A. (2020). *Metodologi Penelitian Kesehatan* (Aurora Hawa Nadana (Ed.)). Ahlimedia Press.
- Hidayat, E., & Situmorang, W. L. (2024). Hubungan Mekanisme Koping Dengan Tingkat Kecemasan Pada Pasien Gagal Ginjal Kronik Yang Menjalani Hemodialisis. In *Nursing Arts* (Vol. 18, Issue 2).
- Hu, H., Hing, P., Edmond, C., & Hang, P. (2024). Physical activity , exercise habits and health - related quality of life in maintenance hemodialysis patients : a multicenter cross - sectional study. *Journal of Nephrology*, 37(7), 1881–1891. <https://doi.org/10.1007/s40620-024-01935-6>

Hustrini, N. M., Susalit, E., Lydia, A., Marbun, M. B. H., Syafiq, M., Yassir, Sarwono, J., Wardoyo, E. Y., Jonny, Suhardjono, Pradwipa, R. Y., Nugraheni, A., Van Diepen, M., & Rotmans, J. I. (2023). The Etiology of Kidney Failure in Indonesia: A Multicenter Study in Tertiary-Care Centers in Jakarta. *Annals of Global Health*, 89(1), 1–13. <https://doi.org/10.5334/aogh.4071>

Ilmiah Keperawatan Orthopedi, J., Faradita Aryani, D., & Rizka Utami, F. (2019). Analisis Intervensi Pemberian Petroleum Jelly Volume. 3 Nomor. 2 Periode: Juli-Desember 2019; hal. *Jurnal Ilmiah Keperawatan Orthopedi*, 3(2), 70–73. <https://ejournal.akperfatmawati.ac.id>

Irawan, W., & Yulinah Sukandar, E. (2025). Evaluasi Penggunaan Obat Pada Pasien Gagal Ginjal Kronik Yang Menjalani Hemodialisis : Narative Literature Riview. In *Jurnal Ilmiah Farmasi* (Vol. 5, Issue 1).

Jayusman, I., & Shavab, O. A. K. (2020). Aktivitas Belajar Mahasiswa Dengan Menggunakan Media Pembelajaran Learning Management System (Lms) Berbasis Edmodo Dalam Pembelajaran Sejarah. *Jurnal Artefak*, 7(1), 13. <https://doi.org/10.25157/ja.v7i1.3180>

Kallem, C. J., Alghwiri, A. A., Yabes, J., Erickson, S., Han, Z., Roumelioti, M. E., Steel, J. L., Unruh, M., & Jhamb, M. (2025). Using Ecological Momentary Assessment to Redefine Postdialysis Fatigue in Patients with Kidney Failure. *Journal of the American Society of Nephrology*. <https://doi.org/10.1681/ASN.0000000650>

Kebijakan Pembangunan, B., Kementerian, K., & Ri, K. (n.d.). *Dalam Angka Tim Penyusun Ski 2023 Dalam Angka Kementerian Kesehatan Republik Indonesia*.

Keputusan Menteri kesehatan RI, 2023. (2023). Keputusan Menteri Kesehatan Republik

Indonesia Tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana Ginjal Kronik.  
*Keputusan Menteri Kesehatan Republik Indonesia, 11, 1–189.*

Kustanti, O. A., Sholehah, B., & Munir, Z. (2024). *Penerapan Teknik Pursed Lip Breathing Terhadap Masalah Pola Nafas Tidak Efektif pada Klien CKD RSUD Sidoarjo. 2.*  
<https://edujavare.com/index.php/Aafiyah/issue/archive>

Kusumo, M. P. (2020). Buku Pemantauan Aktivitas Fisik Mahendro Prasetyo Kusumo. In  
*Yogyakarta: The Journal Publishing.*  
[http://repository.umy.ac.id/bitstream/handle/123456789/35896/Buku\\_pemantauan\\_aktivitas\\_fisik.pdf?sequence=1](http://repository.umy.ac.id/bitstream/handle/123456789/35896/Buku_pemantauan_aktivitas_fisik.pdf?sequence=1)

Laoli, D., Hulu, V. P. P., Buulolo, Y., & Silalahi, K. L. (2021). Pengaruh Latihan Fisik Selama Hemodialisis Terhadap Kekuatan Otot Pada Pasien Gagal Ginjal Kronik Di Rumah Sakit Royal Prima Medan. *Jurnal Keperawatan, 11(2), 77–84.*

*Laporan Riskesdas 2018 Nasional. (2018).*

Limono, A. B., Setyawan, Y., Tabita, H., & Silitonga, H. (2024). Characteristics and quality of life of chronic kidney disease patients undergoing hemodialysis in surabaya. *Jurnal Penyakit Dalam Udayana Udayana Journal of Internal Medicine, 8(2), 46–50.*  
[www.jpदनud.org](http://www.jpदनud.org)

Marzouq, M. K., Samoudi, A. F., Samara, A., Zyoud, S. H., & Al-Jabi, S. W. (2021). Exploring factors associated with pain in hemodialysis patients: a multicenter cross-sectional study from Palestine. *BMC Nephrology, 22(1), 1–12.* <https://doi.org/10.1186/s12882-021-02305-1>

Mashunatul Mahmudah, A., Jannah, matul, & Setyaningrum. (2025). Mekanisme Koping Dengan Tingkat Kecemasan Pada Pasien Gagal Ginjal Kronik di Ruang Hemodialisa. *Surya*

*Medika.*

- Mukaromudin, M., Mulyadi, E., & Novhriyanti, D. (2024). Hubungan dukungan keluarga dan peran perawat dengan kepatuhan pasien Gagal Ginjal Kronik (GGK) dalam menjalani terapi hemodialisa di Ruang Hemodialisa RSUD Jampangkulon. *Journal of Public Health Innovation*, 4(02), 333–340. <https://doi.org/10.34305/jphi.v4i02.1004>
- NA, I., Naptarika, A., & Sukmalara, D. (2025). Analisis Korelasi Kepatuhan Menjalani Hemodialisis Dengan Kualitas Hidup Pasien Gagal Ginjal Kronik Di Rsi Jakarta Cempaka Putih. *Afiat*, 11(1), 100–114. <https://doi.org/10.34005/afiat.v11i1.4723>
- Nanun Fazriyani, Salsa Bhatary Amadhea, Riska Subhianti Putri, & Mila Sartika. (2025). Hubungan Tingkat Aktivitas Fisik dengan Kualitas Hidup pada Pasien Gagal Ginjal Kronik yang Menjalani Hemodialisis di RS Sentra Medika Cikarang. *Khatulistiwa Nursing Journal*, 7(2), 99–110. <https://doi.org/10.53399/knj.v7i2.348>
- Paraskeva, G., Michou, V., Koutlianos, N., Mameletzi, D., & Kouidi, E. (2025). *Assessing the Impact of Potential Confounders on Health-Related Quality of Life and Physical Activity in Patients with Chronic Kidney Disease Treated with Dialysis : A Cross-Sectional Study*. 1–18.
- Pondang, J., Susanto, A., Tri, R., Dewi, K., Nurhayatun, E., & Suseno, A. (2023). The Correlation of DM And Hypertension With The Incidence of Pneumonia In Patients With CKD. *The Sign of Clinical Medicine*, 1(2), 24–27.
- Putri, I., Jamiatun, Indriyani, I., & Susanti, F. (2024). Hubungan Lama Menjalani Hemodialisis Dengan Kualitas Hidup Pada Pasien Gagal Ginjal Kronik. *Jurnal Keperawatan Muhammadiyah Bengkulu*, 12(2). <https://doi.org/10.36085/jkmb.v12i2.6809>

- Rafiu, M. O., Ahmed, S. D., Aigbiremolen, A. O., Alili, I. B., Akhideno, P. E., Erameh, C. O., Ifada, E. C., Aigbiremolen-Alphonsus, A. E., Omonzokpea, E., Iraoyah, K. O., Okoeguale, J., Ogbaini-emovon, E., Okogbenin, S. A., Akpede, G. O., & Okokhere, P. O. (2019). Intradialytic complications : a poor prognostic factor among patients with lassa fever with acute kidney injury undergoing hemodialysis. *Journal of The Egyptian Society of Nephrology and Transplantation*, 19(4), 118–123. <https://doi.org/10.4103/jesnt.jesnt>
- Rizkilillah, M., Sasmita, A., Bandung, P. K., Studi, P., Terapan, S., Bandung, J. K., & Bandung, P. K. (2023). *Peran Aktivitas Fisik Dalam Meningkatkan Kualitas Hidup*. 1(2), 126–134.
- Saragih, Aqilah Mutmainnah, ; Sri Wahyuni ; Rafita Yuniarti ; Gabena Indrayani ;Peri. (2024). *Gambaran Karakteristik Pasien Gagal Ginjal Kronis Stadium V Yang Menjalani Hemodialisis*. 3(February), 4–6. <https://jurnal.kolibi.org/index.php/scientica/article/view/3728/3588>
- Sato, Y., Usui, N., Abe, Y., Okamura, D., Kuramochi, Y., Kojima, S., Shinozaki, N., Shimano, Y., Shirai, N., Mikami, K., Yamada, Y., & Saitoh, M. (2024). Effect of walkability on the physical activity of hemodialysis patients: a multicenter study. *Renal Replacement Therapy*, 10(1), 1–8. <https://doi.org/10.1186/s41100-024-00532-4>
- Sheshadri, A., Kittiskulnam, P., Lazar, A. A., & Johansen, K. L. (2020). A Walking Intervention to Increase Weekly Steps in Dialysis Patients: A Pilot Randomized Controlled Trial. *American Journal of Kidney Diseases*, 75(4), 488–496. <https://doi.org/10.1053/j.ajkd.2019.07.026>
- Shi, R., Zhu, J. X., Zhu, L., Zhao, W. M., Li, H., Chen, Q. C., Pan, H. F., & Wang, D. G. (2024). Exploring the nexus between fatigue, body composition, and muscle strength in

- hemodialysis patients. *European Journal of Medical Research*, 29(1), 266.  
<https://doi.org/10.1186/s40001-024-01852-1>
- Simatupang, D., Situmorang, F. (2019). Gambaran Pengetahuan Pasien Gagal Ginjal Kronik Tentang Kepatuhan Menjalani Hemodialisis Di Ruang Hemodialisa Rsup H. Adam Malik Medan Tahun 2019. *Jurnal Ilmiah PANNMED*, 14(2), 79–89.
- Sri Yulianti, T., & Mardiyani, U. (2023). KOSALA. In *Jurnal Ilmu Kesehatan* (Vol. 11, Issue 1).
- Sulistiyowati, W. (2017). Buku Ajar Statistika Dasar. *Buku Ajar Statistika Dasar*, 14(1), 15–31.  
<https://doi.org/10.21070/2017/978-979-3401-73-7>
- Susanti, E., Wulandari, A., Studi III Analisis Kesehatan, P. D., Kesehatan, F., Mohammad Husni Thamrin, U. P. (2019). Hubungan Kadar Kalsium Dan Fosfor Darah Pada Penderita Penyakit Ginjal Kronik (Pgk) Di Rumah Sakit Gading Pluit Jakarta Utara. *Maret 2019 P-Open Journal System (OJS): Journal.Thamrin.Ac.Id*, 5(1).  
<http://journal.thamrin.ac.id/index.php/anakes/issue/view/33>
- Syafrida Hafni Sahir. (n.d.). *Metodologi penelitian Penerbit KBM Indonesia* (M. S. (Universitas M. A. Dr.Ir. Try Koryati (Ed.); 1, ed.). Penerbit Kbm Indonesia.
- Veriyallia, V., Maramis, G. N., & Ghofar Abdulloh, A. A. (2025). Lama Hemodialisis dan Kualitas Hidup Pasien Penyakit Ginjal Kronis dengan Pendekatan Adaptasi Roy. *Jik Jurnal Ilmu Kesehatan*, 9(1), 291. <https://doi.org/10.33757/jik.v9i1.1311>
- Wang, J., Yao, J., Zhu, X., Wang, T., Lu, J., Wei, Q., Xue, J., Wu, Y., & You, L. (2023). Impact of frequent intradialytic hypotension on quality of life in patients undergoing hemodialysis. *BMC Nephrology*, 24(1). <https://doi.org/10.1186/s12882-023-03263-6>
- Wardani, N. S., Heriyanto, N., Cahya, M. R. F., Manurung, S. T. H., & Parulian, I. (2025).

*Relationship Between Hemodialysis Frequency and Urea.* 7(3), 729–740.

Wicaksono, A. (2021). *Buku Aktivitas Fisik dan Kesehatan* (Issue July).

<https://www.researchgate.net/publication/353605384>

Wu, Y., Hsu, Y., & Tzeng, W. (2022). *Physical Activity and Health-Related Quality of Life of Patients on Hemodialysis with Comorbidities : A Cross-Sectional Study.*

Zhang, Z., Chen, X., Gaowa, S., Liang, R., Jin, Z., Shi, Z., Han, P., Lin, C., Wen, X., Lin, P., &

Guo, Q. (2024). Objectively measured levels of moderate to vigorous intensity physical activity are associated with cognitive impairment in diabetic hemodialysis patients: a cross-sectional study. *Frontiers in Medicine*, 11(October), 1–10.

<https://doi.org/10.3389/fmed.2024.1466574>

Zhao, Q., Wu, N., Duan, K., Liu, J., Han, M., Xu, H., Chen, H., & Ma, J. (2024). Systematic review of the best evidence for resistance exercise in maintenance hemodialysis patients.

*PLoS ONE*, 19(12 December). <https://doi.org/10.1371/journal.pone.0309798>