

DAFTAR PUSTAKA

- Al-Sabi, G., Mohammad, A., & Othman, W. (2025). Cognitive behavioral modulation and the efficacy of non-pharmacological pain management during invasive hemodialysis procedures. *Journal of Nursing Scholarship*, 57(1), 88–97.
- Alan, N., & Khorshid, L. (2022). Evaluation of Efficacy of Valsalva Maneuver During Peripheral Intravenous Cannulation on Pain. *Pain Management Nursing*, 23(2), 220–228.
- Arad, M., Goli, R., Parizad, N., Vahabzadeh, D., & Baghaei, R. (2021). Do the patient education program and nurse-led telephone follow-up improve treatment adherence in hemodialysis patients ? A randomized controlled trial. *BMC Nephrology*, 22(119), 1–13.
- Arikunto, S. (2019). *Prosedur penelitian suatu pendekatan praktek*. Rineka Cipta.
- Aydin, G., & Sahin, S. (2017). The effect of Valsalva maneuver on pain during arteriovenous fistula cannulation. *Journal of Vascular Nursing*, 35(1), 5–11. <https://doi.org/10.1016/j.jvn.2016.09.001>
- Azza Husnu Wahda, Dwi Retno Sulistyaningsih, & Erna Melastuti. (2025). Pengaruh Kompres Dingin terhadap Nyeri Kanulasi Arteriovena Fistula (AVF) pada Pasien yang Menjalani Hemodialisis. *Quantum Wellness : Jurnal Ilmu Kesehatan*, 2(3), 270–283. <https://doi.org/10.62383/quwell.v2i3.2299>
- Babamohamadi, H., Ameri, Z., Asadi, I., & Asgari, M. R. (2022). Comparison of the Effect of EMLA™ Cream and the Valsalva Maneuver on Pain Severity during Vascular Needle Insertion in Hemodialysis Patients: A Controlled, Randomized, Clinical Trial. *Evidence-Based Complementary and Alternative Medicine*, 2022, 1–9. <https://doi.org/10.1155/2022/8383021>
- Bari, A., Khattak, M., & Rahman, L. (2025). Vascular access complications and procedural pain perception in long-term hemodialysis patients. *Seminars in Dialysis*, 38(2), 145–154.
- Cahyani, A. A. A. E., Prasetya, D., Abadi, M. F., & Prihatiningsih, D. (2022). Gambaran Diagnosis Pasien Pra-Hemodialisa Di RSUD Wangaya Tahun 2020-2021. *Jurnal Ilmiah Hospitality*, 11(1), 661–666. <https://doi.org/10.47492/jih.v11i1.1819>
- Cao, M.-C., & Sun, L. (2025). Real-world effectiveness of rope-ladder in situ cannulation in reducing pain and complications for hemodialysis patients with autogenous arteriovenous fistula. *Sage Journals*, 27(2), 1–8. <https://doi.org/doi.org/10.1177/11297298251364339>
- Choi, S., Yoon, S., & Lee, H. (2024). *Beyond measurement : a deep dive into the commonly used pain scales for postoperative pain assessment*. 37(3), 188–

200. <https://doi.org/https://doi.org/10.3344/kjp.24069>

- Damanik, H. (2020). Tingkat Kecemasan Pasien Gagal Ginjal Kronik Dalam Menjalani Hemodialisa Di Rumah Sakit Imelda Pekerja Indonesia. *Jurnal Ilmiah Keperawatan Imelda*, 6(1), 80–85. <https://doi.org/10.52943/jikeperawatan.v6i1.365>
- Depkes RI. (2022). Pedoman Pelayanan Hemodialisis di Sarana Pelayanan Kesehatan. In *Departemen Kesehatan Republik Indonesia*. Departemen Kesehatan Republik Indonesia.
- Duko, B., Ayano, G., & Bedaso, A. (2023). The role of health literacy and level of education on treatment adherence and coping mechanisms among chronic illness patients. *BMC Public Health*, 23(1), 1204–1215. <https://doi.org/10.1186/s12889-023-16112-w>
- Emma Aitken, Angus McLellan, Julie Glen, Mick Serpell, Robert Mactier, M. C. (2020). Pain resulting from arteriovenous fistulae: prevalence and impact. *Clin Nephrol*, 80(5), 328–333. <https://doi.org/doi:10.5414/CN107917>.
- Ferreira-Valente, M. A., Pais-Ribeiro, J. L., & Jensen, M. P. (2011). Validity of four pain intensity rating scales. *PAIN®*, 152(10), 2399–2404. <https://doi.org/10.1016/J.PAIN.2011.07.005>
- Fielding, C., Bramley, L., Stalker, C., Brand, S., Toft, S., & Buchanan, H. (2023). Patients' experiences of cannulation of arteriovenous access for haemodialysis: A qualitative systematic review. *The Journal of Vascular Access*, 24(5), 1121–1133. <https://doi.org/10.1177/11297298211067630>
- Francis, A., Harhay, M. N., Ong, A. C. M., Tummalapalli, S. L., Ortiz, A., Fogo, A. B., Fliser, D., Roy-Chaudhury, P., Fontana, M., Nangaku, M., Wanner, C., Malik, C., Hradsky, A., Adu, D., Bavanandan, S., Cusumano, A., Sola, L., Ulasi, I., & Jha, V. (2024). Chronic kidney disease and the global public health agenda: an international consensus. *Nature Reviews Nephrology*, 20(7), 473–485. <https://doi.org/10.1038/s41581-024-00820-6>
- Gaudart, P., Cazes, N., Simon, K., Larger, D., & Deharo, J. C. (2021). The reverse vagal manoeuvre: A new tool for treatment of supraventricular tachycardia? *American Journal of Emergency Medicine*, 41, 66–69. <https://doi.org/10.1016/j.ajem.2020.12.061>
- Gomez, R., & Silva, M. (2024). Autonomic nervous system modulation via brief valsalva strain: A non-pharmacological approach for repetitive procedural pain management. *Journal of Clinical Anesthesia*, 92, 111422.
- Haksara, E., Rahmanti, A., Pratama, D., & Puspitasari, Y. (2024). Pengaruh Behavioral Relaxation Training terhadap Nyeri Kanulasi (Av-Shunt) pada Pasien Ginjal Kronik yang Menjalani Hemodialisis di Rumah Sakit TK.II Dr. Soedjono Magelang. *Jurnal Kesehatan Amanah*, 8(2), 287–292. <https://doi.org/10.57214/jka.v8i2.733>

- Hasbi, H. Al. (2024). EFEKTIVITAS PEMBERIAN TEKNIK VALSAVA MANUVER TERHADAP INTENSITAS NYERI PENUSUKAN ARTERIOVENOUS FISTULA PADA PASIEN HEMODIALISA DI RSUI BANYU BENING. *Jurnal Cakrawala Keperawatan*, 01(01), 13–23. <https://doi.org/https://doi.org/10.35872/jck.v1i01.653>
- Hasbi, H. Al, & Muntiasih. (2024). Efektivitas Pemberian Teknik Valsava Manuver Terhadap Intensitas Nyeri Penusukan Arteriovenous Fistula Pada Pasien Hemodialisa Di Rsui Banyu Bening. *Jurnal Cakrawala Keperawatan*, 01(01), 13–23. <https://doi.org/https://doi.org/10.35872/jck.v1i01.653> ORIGINAL
- Hastono, S. P. (2018). *Analisis Data pada Bidang Kesehatan*. Rajarafindo Persada.
- Hidayat, A. A. (2021). *Metodologi Penelitian Keperawatan dan Teknik Analisis Data*. Salemba Medika.
- Hosseini, S. J., Manzari, Z.-S., Karkhah, S., & Heydari, A. (2021). The effects of Valsalva maneuver on pain intensity and hemodynamic status during short peripheral cannula insertion in adults: A systematic review and meta-analysis. *Sage Journals*, 25(4), 1051–1062. <https://doi.org/10.1177/11297298221145982>.
- Huré, F., Laruelle, É., Dolley-Hitze, T., Chazot, C., Bayat, S., & Couchoud, C. (2025). Being autonomous in dialysis: Association with occupational status, social activity level, quality of life, and physical activity level. *Néphrologie & Thérapeutique*, 21(1), 23–30. <https://doi.org/10.1684/ndt.2025.107>
- Ibrahim, M. B., Abdelaal Badawi, S. E., & Alameri, R. A. (2022). Assessment of Pain and Anxiety During Arteriovenous Fistula Cannulation Among Hemodialysis Patients: A Cross-Sectional Study in Saudi Arabia. *Journal of Multidisciplinary Healthcare*, 15, 705–718. <https://doi.org/https://doi.org/10.2147/JMDH.S344256>
- Indriastutik, A., Agustina, W., & Ira, F. (2022). Perbedaan kadar hemoglobin pre dan post HD pasien chronic kidney disease yang menjalani terapi hemodialisis menggunakan reuse dializer di RSUD dr. Saiful Anwar Malang. *Jurnal Ilmiah Kesehatan Media Husada*, 11(2), 120–134.
- Kandarini, Y., & Winangun, I. M. A. (2021). Hemodialisis Sustained Low-Efficiency Dialysis: Indikasi dan Penerapannya. *Intisari Sains Medis*, 12(1), 453–459. <https://doi.org/10.15562/ism.v12i1.935>
- Kosmadakis, G., Amara, B., Costel, G., & Lescure, C. (2022). Pain Associated With Arteriovenous Fistula Cannulation: Still a Problem. *Nephrol Ther*, 18(1), 59–62. <https://doi.org/10.1016/j.nephro.2021.05.002>
- Kosmadakis, G., Amara, I., & Costel, G. (2021). Pain on arteriovenous fistula cannulation: A narrative review. *Seminars in Dialysis*, 34(4), 275–284.

<https://doi.org/10.1111/sdi.12979>

- Lok, C. E., Huber, T. S., Lee, T., Shenoy, S., Yevzlin, A. S., Abreo, K., Allon, M., Asif, A., Astor, B. C., Glickman, M. H., Graham, J., Moist, L. M., Rajan, D. K., Roberts, C., Vachharajani, T. J., & Valentini, R. P. (2020). KDOQI Clinical Practice Guideline for Vascular Access: 2019 Update. *American Journal of Kidney Diseases*, 75(4 Suppl. 2), S1–S164. <https://doi.org/10.1053/j.ajkd.2019.12.001>
- Luca, A.-L., Militaru, F., Văduva, C. M., Dinu, I.-R., Maria, D. T., Mușat, M. I., Rădulescu, V. M., Udriștoiu, I., & Moța, E. (2026). Depression, Anxiety, Stress Symptoms and Health-Related Quality of Life in Hemodialysis Patients: Cross-Sectional Findings from a Romanian Cohort. *Medicina*, 62(2), 242. <https://doi.org/10.3390/medicina62020242>
- Luo, Q., & Min, S. (2023). Central and peripheral sensitization mechanisms in chronic repetitive procedural pain. *Frontiers in Molecular Neuroscience*, 16, 105–119. <https://doi.org/10.3389/fnmol.2023.1122334>
- Mahdi, E. H., & Dawood, H. A. (2025). Effect of Valsalva maneuver on pain level and anxiety during needle insertion in arteriovenous fistula among patients undergoing hemodialysis. *Anaesthesia, Pain & Intensive Care*, 29(5), 367–375. <https://doi.org/10.35975/apic.v29i5.2841>
- Marianne. (2011). *Nyeri dalam Praktik Kebidanan*. EGC.
- Masoud, A., Chu, G., Manias, E., & Davidson, P. M. (2025). Comparative analysis of the effectiveness of pharmacological and non-pharmacological interventions on arteriovenous fistula cannulation-related pain in patients receiving hemodialysis: A systematic review and network meta-analysis. *International Journal of Nursing Studies*, 169(January), 105123. <https://doi.org/10.1016/j.ijnurstu.2025.105123>
- Morgan, J., Magwood, K., Smith, J., Jenkins, M. R., McGregor, A. J., & Quesnelle, K. M. (2024). Sex and gender differences in pain perception and management in clinical settings. *All Life*, 17(1), 2367421. <https://doi.org/10.1080/26895293.2024.2367421>
- Notoatmodjo, S. (2018). *Metodologi Penelitian Kesehatan*. Rineka Cipta.
- Nurhayati, R., Wahyuni, S., & Bayhakki. (2024). Kemanisme coping pasien gagal ginjal kronik dalam menjalankan hemodialisis: Literature review. *Media Penelitian Dan Pengembangan Kesehatan*, 34(4), 993–1001.
- Nursalam. (2020). *Metodelogi Penelitian Ilmu Keperawatan: Pendekatan Praktis Edisi 5*. Selemba Medika.
- Polit, D. F., & Beck, C. T. (2017). *Nursing Research: Generating and Assessing Evidence for Nursing Practice* (10th editi). Lippincott Williams & Wilkins.
- Potter, P. A., Perry, A. G., Stockert, P., & Hall, A. (2020). *Fundamentals of*

Nursing (10th ed.). Elsevier. <https://elsevier.com>

- Purnawinadi, I. G. (2021). Peran Hemodialisis Terhadap Kadar Kreatinin Darah Pasien Gagal Ginjal Kronik. *Klabat Journal of Nursing*, 3(1), 28. <https://doi.org/10.37771/kjn.v3i1.534>
- Putra, N., Agratama, I. N. K., Wulandari, N. L. E. S., & Susila, I. K. (2024). Modifikasi Manuver Valsalva Untuk Kardioversi Takikardia Supraventrikular Di Daerah Rural. *Ganesha Medicina Journal*, 4(1), 1–7.
- Rahman, Z., Eka Putri, M., & Yuvianur. (2022). Pengaruh Kompres Hangat dan Kompres Dingin terhadap Nyeri Insersi Av Fistula pada Pasien yang Menjalani Hemodialisa. *Jurnal Keperawatan*, 12(2), 62–70. <https://doi.org/10.59870/jurkep.v12i2.130>
- Rayka, I., Pratama, D., & Soemarko, D. S. (2026). Model Prediksi Maturasi Fistula Arteriovenosa Menggunakan Skor Risiko di RSUPN Dr . Cipto Mangunkusumo pada Periode Januari 2024 – Januari. *JURNAL LOCUS: Penelitian & Pengabdian*, 5(2), 948–957. homepage: <https://locus.rivierapublishing.id/index.php/jl>
- Reisha, R. A. D., Tri Ningsih, W., & Triana Nugraheni, W. (2023). Durasi Hemodialisis Dengan Tingkat Kecemasan Pasien Gagal Ginjal Kronik Di Ruang Hemodialisa RSUD Dr. R. Koesma Tuban. *Jurnal Keperawatan Widya Gantari Indonesia*, 7(2), 154–160. <https://doi.org/10.52020/jkwgi.v7i2.5522>
- Riyanto, S., & Andhita, H. (2020). *Metode riset kuantitatif*. Deepublish.
- ROJI, F. (2022). SKALA NYERI INSERSI INLET AV FISTULA PADA PASIEN HEMODIALISIS YANG DIBERIKAN KOMPRES DINGIN. *Media Husada Journal Of Nursing Science*, 3(2), 175–184. <https://doi.org/10.33475/mhjns.v3i2.90>
- Sadek, E., & Elhay, H. (2024). Effectiveness of Valsalva Maneuver on Pain Intensity and Anxiety in Children Undergoing Hemodialysis. *Port Said Scientific Journal of Nursing*, 11, 112–141. <https://doi.org/10.21608/pssjn.2024.269654.1298>
- Salehipour, S., Voloei, Z., Hasanabadi, S., Mohseni, F., & Babamohamadi, H. (2026). Comparison of the Effect of Valsalva Maneuver and Rhythmic Breathing on Pain Intensity During Vascular Needle Insertion in Hemodialysis Patients: A Randomized Controlled Clinical Trial. *Hemodialysis International ORIGINAL*, March 2024, 549–556. <https://doi.org/10.1111/hdi.70066>
- Saputra, A., & Wiryansyah, O. A. (2021). Hubungan Lama Masa Hemodialisis Dengan Kualitas Hidup Pasien Gagal Ginjal Kronik. *Babul Ilmi: Jurnal Ilmiah Multi Science Kesehatan*, 14(2), 112–122.
- Saputra, M., & Badri, S. (2021). Pemberian Teknik Valsava Manuver Terhadap

Intensitas Nyeri Penusukan Arteriovenous Fistula (AVF) Pasien Hemodialisa. *Jurnal Smart Keperawatan*, 8(2), 92. <https://doi.org/10.34310/jskp.v8i2.482>

Saputra, M., Harahap, I. A., & Kasiman, S. (2020). Valsalva Maneuver to Decrease Pain Intensity During Arteriovenous Fistula Insertion in Hemodialysis Patients. *Jurnal Keperawatan Indonesia*, 23(2), 136–144. <https://doi.org/10.7454/jki.v23i2.645>

Saputra, M., Harahap, I. A., & Kasiman, S. (2021). Valsalva Maneuver to Decrease Pain Intensity During Arteriovenous Fistula Insertion in Hemodialysis Patients. *Jurnal Keperawatan Indonesia*, 24(1), 1–8. <https://doi.org/10.7454/jki.v24i1.932>

Saputra, S. I., Berawi, K. N., Susianti, & Hadibrata, E. (2023). Hubungan Diabetes Melitus Dengan Kejadian Gagal Ginjal Kronik. *Medula*, 9(5), 639–644. <https://doi.org/10.33023/jikep.v9i5.1634>

Sharifnia, A., Chu, G., Manias, E., Davidson, P., & Fernandez, R. (2025). Comparative analysis of the effectiveness of pharmacological and non-pharmacological interventions on arteriovenous fistula cannulation-related pain in patients receiving hemodialysis: A systematic review and network meta-analysis. *International Journal of Nursing Studies*, 169. <https://doi.org/10.1016/j.ijnurstu.2025.105123>

Siregar, D., Sinaga, F., Sinaga, G., Manullang, S., Maulida, P., & Siahaan, D. (2025). Pengaruh Valsava Maneuver Terhadap Pulse Wave Velocity (Pwv): Analisis Dengan Uji T Berpasangan (Paired T-Test). *Jurnal Ilmiah Matematika*, 13(2), 198–199. <https://ejournal.unesa.ac.id/index.php/mathunesa/article/view/64649>

Smeltzer, S. C., & Bare, B. G. (2016). *Keperawatan Medikal Bedah Brunner & Suddarth Edisi 12*. EGC.

Srivastav, S., Jamil, R. T., Dua, A., & Zeltser, R. (2025). Valsalva Maneuver. *Encyclopedia of the Neurological Sciences*, 591–592. <https://doi.org/10.1016/B978-0-12-385157-4.00517-0>

Suciana, F., Hidayati, I. N., & Kartini. (2020). Korelasi Lama Dan Frekuensi Hemodialisa Dengan. *Journal Kesehatan*, 15(1), 13–20.

Sugiyono. (2022). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D* (2nd ed.). Alfabeta.

Suparmo, S., & Hasibuan, M. T. D. (2021). Hubungan Kepatuhan Pembatasan Cairan Terhadap Terjadinya Edema Post Hemodialisa Pada Pasien Gagal Ginjal Kronik Di Rumah Sakit Aminah Kota Tangerang. *Indonesian Trust Health Journal*, 4(2), 522–528. <https://doi.org/10.37104/ithj.v4i2.88>

Suramadhan, S., Khoiriyah, K., Sukraeny, N., & Armiyati, Y. (2024). *Menurunkan intensitas nyeri pemasangan arteriovena fistula pada pasien*

hemodialisis menggunakan teknik valsava maneuver. 90–97.

- Suwondo, B. S., Meliala, L., & Sudadi. (2017). *Buku Ajar Nyeri*. Perkumpulan Nyeri Indonesia (Indonesian Pain Society).
- Tahir, N. C., Rijal, S., Musa, I. M., & Hidayati, P. H. (2024). Karakteristik Pasien Penyakit Ginjal Kronik yang Menjalani Terapi Hemodialisis. *Journal Of Soscial Science Reseacrh*, 4(1), 9282–9294.
- Tampake, R., & Doho, A. D. S. (2021). Karakteristik Pasien Gagal Ginjal Kronik Yang Menjalani Hemodialisa. *Lentora Nursing Journal*, 1(2), 39–43.
- Tarasuik, A., Maimon, N., & Shvartzman, P. (2023). Autonomic nervous system modulation via Valsalva maneuver for acute procedural pain relief: A mechanistic review. *Pain Medicine*, 24(4), 382–391. <https://doi.org/10.1093/pm/pnad022>
- Tim Pokja SDKI DPP PPNI. (2019). *Standar Diagnosa Keperawatan Indonesia. Definisi dan indikator diagnostik*. Dewan Pengurus Pusat Persatuan Perawat Nasional Indonesia.
- Tribuana, A., & Saelan. (2023). *Penerapan Kompres Dingin Terhadap Penurunan Nyeri Kanulasi Av Fistula Pada Pasien CKD Yang Menjalani Hemodialisa Di RSUP Dr. Soeradji Tirtonegoro Klaten*. 30.
- Turgay, G., Çevik, B., Eskigölek, Y., İnanoglu, I., & Kaya, S. (2026). Hegu point acupressure for cannulation pain across fistula sites: Randomized controlled trial. *EXPLORE*, 22(2), 103324. <https://doi.org/10.1016/j.explore.2026.103324>
- Wahyuningsih, F., Putra, F. A., & Herawati, V. D. (2025). Pengaruh Senam Intradialisis Terhadap Penurunan Tingkat Stress pada Pasien yang Menjalani Hemodialisis di Ruang Hemodialisis RSU Diponegoro Dua Satu Klaten. *Medic Nutricia: Jurnal Ilmu Kesehatan*, 16(1). <https://cibangsa.com>
- Zeng, L., Yu, J., Chen, R., Yang, H., Li, H., Zeng, L., Wang, J., Xu, W., Hu, S., & Chen, K. (2023). Modified Valsalva maneuver after burr-hole drainage of chronic subdural hematomas: A single-center cohort study. *Frontiers in Neurology*, 13, 1069708. <https://doi.org/10.3389/fneur.2022.1069708>
- Zheng, L., Wang, Y., & Liu, T. (2023). Peripheral and central mechanisms of chronic pain in maintenance hemodialysis patients: A comprehensive review. *Frontiers in Molecular Neuroscience*, 16, 112233.