

DAFTAR PUSTAKA

- Ababneh, M.A., Al Domi, M., & Rababa'h, A.M. (2022). Antimicrobial use and mortality among intensive care unit patients with bloodstream infections: implications for stewardship programs. *Heliyon* 8 : 1–9.
- Al Khalfan, A.A., Al Ghamdi, A.A., De Simone, S., & Hadi, Y.H. (2021). The Impact of Multidisciplinary Team Care on Decreasing Intensive Care Unit Mortality. *Saudi Crit. Care J.* 5 : 13–18.
- Ardiansyah, F., Widyastuti, Y., & Jufan, A.Y. (2022). Identifikasi Faktor Risiko Kematian Di ICU RSUP Dr. Sardjito. *J. Komplikasi Anestesi* 9 : 35–42.
- Aslakson, R., Curtis, R., & Nelson, J.E. (2014). The Changing Role of Palliative Care in the ICU. *Crit. Care Med.* 42 : 2418–2428.
- Astutik, A.W., Annisa, N., Rusli, R., & Ibrahim, A. (2017). Kajian Kesesuaian Pemilihan Antibiotik Empiris Pada Pasien Sepsis Di Instalasi Rawat Inap RSUD Abdul Wahab Sjaharanie Samarinda, in: *Proceeding of the 5th Mulawarman Pharmaceuticals Conferences*.
- Audet, L.A., Bourgault, P., & Rochefort, C.M. (2018). Associations between nurse education and experience and the risk of mortality and adverse events in acute care hospitals: A systematic review of observational studies. *Int. J. Nurs. Stud.* 80 : 128–146.
- Begum, M. (2017). Identification of the Risk Factors Associated with ICU Mortality. *Biometrics Biostat. Int. J.* 6 : 278–287.
- Behal, R., & Finn, J. (2009). Understanding and improving inpatient mortality in academic medical centers. *Acad. Med.* 84 : 1657–1662.
- Campbell, M.J., Jacques, R.M., Fotheringham, J., Maheswaran, R., & Nicholl, J. (2012). Developing a summary hospital mortality index: Retrospective analysis in English hospitals over five years. *BMJ* 344 : 1–11.
- Cecep, C., Maryana, M., & Faizal, K.M. (2023). Pengalaman Perawat dalam Proses Penyapihan Ventilator di Ruang ICU. *J. Penelit. Perawat Prof.* 5 : 559–572.
- D€unser, M.W., Towey, R.M., Amito, J., & M.Mer (2017). Intensive care medicine in rural sub-Saharan Africa. *Anaesthesia* 72 : 181–189.
- Demass, T.B., Guadie, A.G., Mengistu, T.B., Belay, Z.A., Melese, A.A., Berneh, A.A., *et al.* (2023). The magnitude of mortality and its predictors among adult patients admitted to the Intensive care unit in Amhara Regional State, Northwest Ethiopia. *Sci. Rep.* 13 : 1–7.
- Djasri, H., & Errisa, B. (2011). Hospital Mortality Reduction Program [WWW Document]. URL <http://mutupelayanankesehatan.net/index.php/berita/34-hospital-mortality-reduction-program> (accessed 11.16.24).
- Edwardson, S., & Cairns, C. (2019). Nosocomial infections in the ICU. *Anaesth. Intensive Care Med.* 20 : 14–18.

- Endeshaw, A.S., Tarekegn, F., Bayu, H.T., Ayalew, S.B., & Gete, B.C. (2022). The magnitude of mortality and its determinants in Ethiopian adult intensive care units: A systematic review and meta-analysis. *Ann. Med. Surg.* 84 : 1–9.
- Evans, L., Rhodes, A., Alhazzani, W., Antonelli, M., Coopersmith, C.M., French, C., *et al.* (2021). Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. *Intensive Care Med.* 47 : 62.
- Fathi, M., Moghaddam, N.M., Balaye Jame, S.Z., Darvishi, M., & Mortazavi, M. (2022). The association of Glasgow Coma Scale score with characteristics of patients admitted to the intensive care unit. *Informatics Med. Unlocked* 29.
- Fatmawati, R., Kusumajaya, H., & Ardiansyah (2023). Faktor-Faktor Yang Berhubungan Dengan Pengetahuan Perawat Dalam Pencegahan Ventilator Associated Pneumonia. *J. Penelit. Perawat Prof.* 5 : 1377–1386.
- Fauziyah, H.T.A., Semedi, B.P., Lestari, P., & Mauliydia, M. (2021). Analisis Sistem Skoring APACHE II dan SOFA Terhadap Outcome di Intensive Care Unit RSUD Dr. Soetomo Surabaya. *JAI (Jurnal Anesthesiol. Indones.* 13 : 99–113.
- Firmansyah, J., Wahyuni, A., Ratna, M.G., Carolia, N., Abdul, H., Provinsi, M., *et al.* (2022). Hubungan Sensitivitas Antibiotik Terhadap Luaran Pasien Sepsis di Ruang Intensive Care Unit (ICU) RSUD Dr. H. Abdul Moeloek Provinsi Lampung Tahun 2018-2021. *Medula* 12 : 231–237.
- Friman, O., Bell, M., Djärv, T., & Andreas Hvarfner, G.J. (2018). National Early Warning Score vs Rapid Response Team criteria—Prevalence, misclassification, and outcome. *Acta Anaesthesiol. Scand.* 63 : 215–221.
- Giannasi, S.E., Venuti, M.S., Midley, A.D., Roux, N., Kecskes, C., & San Román, E. (2018). Mortality risk factors in elderly patients in intensive care without limitation of therapeutic effort. *Med. Intensiva* 42 : 482–489.
- Gunawan, A.H. (2016). Analisis Kebutuhan Tenaga Perawat Unit Pelayanan Intensif Berdasarkan Beban Kerja dan Kompetensi di Unit Pelayanan Intensif Rumah Sakit Dr Oen Solo Baru Tahun 2015. *J. Adm. Rumah Sakit Indones.* 2.
- Hailu, A., Kibreab, A., & Gidey (2018). Pattern and Outcome of Medical Intensive Care Unit Admission to Ayder Còmprehensive Specialised Hospitalised Hospital in Tigray, Etiopia. *Ethiop Med J* 56 : 31–36.
- Hair, J., Black, W., Babin, B., & Anderson, R. (2010). *Multivariate Data Analysis*, Seventh. ed. New York : Prentice Hall International.
- Hariyanto, H., Yahya, C.Q., Cucunawangsih, C., & Pertiwi, C.L.P. (2022). Antimicrobial Resistance and Mortality. *African J. Infect. Dis.* 16 : 13–20.
- Hendra, M., Akhmad Yun, & Widodo, U. (2023). Faktor Risiko Mortalitas Pasien Geriatri Yang Dirawat Di Icu Rsup Dr. Sardjito Yogyakarta. *J. Komplikasi Anestesi* 10 : 56–67.

- Husodo, S.D., Kumala, A.R., & Rahayu, I.N. (2020). Analisis Efisiensi Bangsal ICU/ICCU Dua Rumah Sakit Jawa Tengah Berdasarkan Standar Depkes Dan Barber Johnson. *Hang Tuah Med. J.* 18 : 100–113.
- Iapichino, G., Gattinoni, L., Radrizzani, D., Simini, B., Bertolini, G., Ferla, L., *et al.* (2004). Volume of activity and occupancy rate in intensive care units. Association with mortality. *Intensive Care Med.* 30 : 290–297.
- Kachingwe, M., Kayambankadzanja, R.K., Mwafulirwa, W.K., Chikumbanje, S.S., & Baker, T. (2022). Factors associated with in-hospital mortality of patients admitted to an intensive care unit in a tertiary hospital in Malawi. *PLoS One* 17 : 1–13.
- Kedir, S., Berhane, A., Bayisa, T., & Wuletaw, T. (2017). Admission Patterns And Outcomes In The Medical Intensive Care Unit Of St. Paul’s Hospital Millenium Medical College, Addis Ababa, Ethiopia. *Ethiop Med J.* 55 : 19–26.
- Kemenkes RI (2011). Keputusan Direktur Jenderal Bina Upaya Kesehatan Nomor HK.02.04/I/1966/11 Tentang Petunjuk Teknis Penyelenggaraan Pelayanan Intensive Care Unit (ICU) Di Rumah Sakit.
- Kemenkes RI (2010a). KMK No. 1778 tentang Pedoman Penyelenggaraan Pelayanan ICU di Rumah Sakit.
- Kemenkes RI (2010b). Keputusan Menteri Kesehatan Republik Indonesia Nomor: 834/MENKES/SK/VII/2010 Tentang Pedoman Penyelenggaraan Pelayanan High Care Unit (HCU) di Rumah Sakit.
- Khasanah, N., Fadillah, N., & Sari, I. (2022). Analisis Deskriptif Indikator Gross Death Rate (Gdr) Dan Net Death Rate (Ndr) Di Rumah Sakit X Pada Tahun 2016-2020. *Media Bina Ilm.* 16 : 7639–7646.
- Kiekkas, P., Tzenalis, A., Gklava, V., Stefanopoulos, N., Voyagis, G., & Aretha, D. (2022). Delayed Admission to the Intensive Care Unit and Mortality of Critically Ill Adults: Systematic Review and Meta-analysis. *Biomed Res. Int.* 2022.
- Kim, S., Kim, G.O., Lee, S., & Kwon, Y.U. (2024). Effects of intensive care unit quality assessment on changes in medical staff in medical institutions and in-hospital mortality. *Hum. Resour. Health* 22 : 1–11.
- Ko, Y.T., Ko, M.C., Huang, C.M., Lien, H.Y., Woung, L.C., & Huang, S.J. (2020). Trends of Utilization of Palliative Care and Aggressive End-of-Life Care for Patients Who Died of Cancers and Those Who Died of Noncancer Diseases in Hospitals. *J. Pain Symptom Manage.* 60 : 1136–1143.
- Kollef, M.H., Shorr, A.F., Bassetti, M., Timsit, J.F., Micek, S.T., Michelson, A.P., *et al.* (2021). Timing of antibiotic therapy in the ICU. *Crit. Care* 25 : 1–10.
- Lakbar, I., Medam, S., Ronflé, R., Cassir, N., Delamarre, L., Hammad, E., *et al.* (2021). Association between mortality and highly antimicrobial-resistant bacteria in intensive care unit-acquired pneumonia. *Sci. Rep.* 11 : 1–9.

- Lalani, H.S., Waweru-Siika, W., Mwogi, T., Kituyi, P., Egger, J.R., Park, L.P., *et al.* (2018). Intensive care outcomes and mortality prediction at a National Referral Hospital in Western Kenya. *Ann. Am. Thorac. Soc.* 15 : 1336–1343.
- Lenti, M.V., Croce, G., Brera, A.S., Ballesio, A., Padovini, L., Bertolino, G., *et al.* (2023). Rate and risk factors of in-hospital and early postdischarge mortality in patients admitted to an internal medicine ward. *Clin. Med. J. R. Coll. Physicians London* 23 : 16–23.
- Li, W., Cai, J., Ding, L., Chen, Y., Wang, X., & Xu, H. (2024). Incidence and risk factors of ventilator-associated pneumonia in the intensive care unit: a systematic review and meta-analysis. *J. Thorac. Dis.* 16 : 5518–5528.
- Listyorini, P.I., & Aurista, V.L. (2019). Trend Indikator Pelayanan Intensive Care Unit di RSUD Dr. Moewardi Tahun 2014-2018. *J. Ilm. Rekam Medis dan Inform. Kesehat.* 9 : 53–62.
- Ma, J.G., Zhu, B., Jiang, L., Jiang, Q., & Xi, X.M. (2022). Gender- and age-based differences in outcomes of mechanically ventilated ICU patients: a Chinese multicentre retrospective study. *BMC Anesthesiol.* 22 : 1–10.
- Mawuntu, A.H.P. (2019). Meninjau Kembali Glasgow Coma Scale: Masihkah Relevan? *Maj. Kedokt. Neurosains Perhimpun. Dr. Spes. Saraf Indones.* 36.
- Megawati, S.W., Dewi, T., & Acep Dadang Nurohmat, R.M. (2021). Analisis Mortalitas Pasien di Ruang Intensive Care Unit (ICU). *J. Med. Cendekia* 7 : 127–135.
- Melaku, E., Urgie, B., Dessie, F., Seid, A., Abebe, Z., & Tefera, A. (2024). Determinants of Mortality of Patients Admitted to the Intensive Care Unit at Debre Berhan Comprehensive Specialized Hospital: A Retrospective Cohort Study. *Patient Relat. Outcome Meas.* Volume 15 : 61–70.
- Mercadante, S., Gregoretta, C., & Cortegiani, A. (2018). Palliative care in intensive care units: Why, where, what, who, when, how. *BMC Anesthesiol.* 18 : 1–6.
- Mohammed, S.O., Abdi, O.A., & Getish, B.G. (2017). Clinical outcomes of patients admitted in intensive care units of Nigist Eleni Mohammed Memorial Hospital of Hosanna, Southern Ethiopia. *Int. J. Med. Med. Sci.* 9 : 79–85.
- Morita, K., Matsui, H., Yamana, H., Fushimi, K., Imamura, T., & Yasunaga, H. (2017). Association between advanced practice nursing and 30-day mortality in mechanically ventilated critically ill patients: A retrospective cohort study. *J. Crit. Care* 41 : 209–215.
- Mostafa, M., Hamed, L., Mokhtar, S., & Arafa, M. (2025). Analysis of mortality factors in ICU patients with sepsis and septic shock: a retrospective study. *Egypt. J. Crit. Care Med.* 12 : 1–5.
- Motiejunaite, J., Deniau, B., Blet, A., Gayat, E., & Mebazaa, A. (2022). Inotropes and vasopressors are associated with increased short-term mortality but not long-term survival in critically ill patients. *Anaesth. Crit. Care Pain Med.* 41.

- Mueller, J.T., Thiemann, K.M.B., Lessow, C., Murad, M.H., Wang, Z., Santrach, P., *et al.* (2020). The Mayo Clinic Hospital Mortality Reduction Project: Description and Results. *J. Healthc. Manag.* 65 : 122–132.
- Mumtaz, H., Saqib, M., Khan, W., Ismail, S.M., Sohail, H., Muneeb, M., *et al.* (2023). Ventilator associated pneumonia in intensive care unit patients: a systematic review. *Ann. Med. Surg.* 85 : 2932–2939.
- Netzer, G., Liu, X., Shanholtz, C., Harris, A., Verceles, A., & Iwashyna, T.J. (2011). Decreased mortality resulting from a multicomponent intervention in a tertiary care medical intensive care unit. *Crit. Care Med.* 39 : 284–293.
- Nugroho, A.A., Arifin, J., & Satoto, H.H. (2018). Pemeriksaan Kultur Sekret sebagai Penunjang Diagnosis untuk Mengetahui Kejadian Ventilator Associated Pneumonia pada Pasien Pasca Pembedahan di Intensive Care Unit RSUP Dr. Kariadi Semarang. *JAI (Jurnal Anestesiologi Indones.)* 10 : 93.
- Paramythiotou, E., & Routsis, C. (2016). Association between infections caused by multidrug-resistant gram-negative bacteria and mortality in critically ill patients. *World J. Crit. Care Med.* 5 : 111–120.
- Pinheiro, S., M., F.G.D., Santos, S., Barreto, E., C., Í.D. De, Weiss, C., *et al.* (2020). Mortality Predictors and Associated Factors in Patients in the Intensive Care Unit: A Cross-Sectional Study. *Crit. Care Res. Pract.* 2020 : 5–10.
- RSUD Dr. Soedirman Kebumen (2024). Profil RSUD Dr. Soedirman Kebumen Tahun 2023.
- RSUD Dr. Soedirman Kebumen (2022a). Pedoman Pengorganisasian Instalasi Rawat Intensif RSUD Dr. Soedirman Kebumen.
- RSUD Dr. Soedirman Kebumen (2022b). Pedoman Pelayanan Instalasi Rawat Intensif RSUD Dr. Soedirman Kebumen.
- Rustini, S.A., Putri, N.M.M.E., Hurai, R., Suarningsih, N.K.A., Susiladewi, I.A.M.V., Kamaryati, N. putu, *et al.* (2023). Layanan keperawatan intensif (Ruang ICU & OK), PT.Sonpedia Publisihing Indonesia. Jambi : PT. Sonpedia Publishing Indonesia.
- Rustiyanto, E. (2010). Statistik Rumah Sakit untuk Pengambilan Keputusan. Yogyakarta : Graha Ilmu.
- Sabaz, M.S., Asar, S., Cukurova, Z., Sabaz, N., Doğan, H., & Sertcakacilar, G. (2020). Effect of Delayed Admission to Intensive Care Units from the Emergency Department on the Mortality of Critically Ill Patients. *Iran. Red Crescent Med. J.* 22.
- Semet, C. (2023). The ongoing challenge of ventilator-associated pneumonia: epidemiology, prevention, and risk factors for mortality in a secondary care hospital intensive care unit. *Infect. Prev. Pract.* 5 : 1–7.
- Shatri, H., Faisal, E., Putranto, R., & Sampurna, B. (2020). Advanced Directives pada Perawatan Paliatif. *J. Penyakit Dalam Indones.* 7 : 125.

- Silaban, P.T.G., & Tarigan, E.V.T.B. (2024). Analisis Indikator Rasio Angka Kematian di Ruang ICU / ICCU pada Rumah Sakit 3 : 14–24.
- Simpson, A., Puxty, K., McLoone, P., Quasim, T., Sloan, B., & Morrison, D.S. (2021). Comorbidity and survival after admission to the intensive care unit: A population-based study of 41,230 patients. *J. Intensive Care Soc.* 22 : 143–151.
- Subhan, N., Giwangkencana, G.W., Prihartono, M.A., & Tavianto, D. (2019). Implementasi Early Warning Score pada Kejadian Henti Jantung di Ruang Perawatan Rumah Sakit Dr. Hasan Sadikin Bandung yang Ditangani Tim Code Blue Selama Tahun 2017. *J. Anestesi Perioper.* 7 : 33–41.
- Suryadi, T., Taufik, N.H., Pasaribu, A., Sayuntri, & Sovia, C.N. (2021). Analisis Rasio Dokter dan Perawat Terhadap Gross Death Rate dan Net Death Rate Tahun 2013–2016 Di RSUD dr. Zainoel Abidin Banda Aceh. *J. Med. Sci.* 2 : 28–37.
- Suryadilaga, Y., Arifin, J., & Ismail, A. (2015). Jumlah Kematian Pasien di Ruang Perawatan Intensif Berdasarkan Kriteria Prioritas Masuk Di RSUP Dr Dr Kariadi Periode Juli - September 2014. *Media Med. Muda* 4 : 1561–1568.
- Suryaman, R., Widodo, U., & Sari, D. (2020). Perbandingan Luaran Pasien Level Of Care 3 yang Menggunakan Ventilator Sebelum dan Sesudah Operasional Ruang High Care Unit Di RSUP Dr. Sardjito Yogyakarta. *J. Komplikasi Anastesi* 8 : 7–13.
- Susanti, F.T., Eliawati², U., & Muharni, S. (2023). Prediktor Mortalitas Pasien ICU Yang Terpasang Ventilasi Mekanik Di Ruang ICU RSUD Raja Ahmad Tabib Tanjungpinang. *J. Ilmu Kedokt. dan Kesehat.* 10 : 936–947.
- Susmiarti, Harmayett, D., & Dewi, Y.S. (2015). Intervensi VAP Bundle Dalam Pencegahan Ventilator Associated Pneumonia (VAP) Pada Pasien Dengan Ventilasi Mekanis. *J. Ners* 1 : 138–146.
- Sutrisno (2020). Risiko Ketidapatuhan Penerapan Early Warning Score Terhadap Mortalitas Pasien Di RSUD Wates. Universitas Gadjah Mada.
- Tauran, P.M., Djaharuddin, I., Bahrun, U., Nurulita, A., Katu, S., Muchtar, F., *et al.* (2022). Excess mortality attributable to antimicrobial-resistant bacterial bloodstream infection at a tertiary-care hospital in Indonesia. *PLOS Glob. Public Heal.* 2 : e0000830.
- Tesema, H.G., Lema, G.F., Mesfin, N., Fentie, D.Y., & Arefayne, N.R. (2021). Patterns of Admission and Clinical Outcomes Among Patients Admitted to Medical Intensive Care Unit of a Teaching and Referral Hospital, Northwest Ethiopia. *Glob. Adv. Heal. Med.* 10 : 0–6.
- Utarini, A. (2020). Penelitian Kualitatif Dalam Pelayanan Kesehatan. Sleman : Gadjah Mada University Press.

- Walicka, M., Chlebus, M., Śliwczyński, A., Brzozowska, M., Rutkowski, D., Czech, M., *et al.* (2020). Predictors of in-hospital mortality in nonsurgical departments: A multivariable regression analysis of 2 855 029 hospitalizations. *Polish Arch. Intern. Med.*
- Wijaksana, D.S., Anggraeni, N., & Endriani, R. (2019). Pola Bakteri dan Resistensi Antibiotik pada Pasien Sepsis di Intensive Care Unit (ICU) RSUD Arifin Achmad Provinsi Riau Periode 1 Januari – 31 Desember 2017. *J. Ilmu Kedokt.* 13 : 46.
- Wungo, Setya, C., Setyani, & Rina, F.A. (2022). Faktor-Faktor Yang Berhubungan Dengan Mortalitas Pasien Di Intensive Care Unit Rumah Sakit Panti Rapih Yogyakarta. *J. Keperawatan I CARE* 3 : 146–157.



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Analisis Faktor Yang Berpengaruh Terhadap Mortalitas Pasien Intensive Care Unit (ICU) Di RSUD Dr. Soedirman Kebumen

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