

DAFTAR PUSTAKA

- Alkhawaldeh, A., ALBashtawy, M., Rayan, A., Abdalrahim, A., Musa, A., Eshah, N., Khait, A. A., Qaddumi, J., Khraisat, O., & ALBashtawy, S. (2023). Application and Use of Andersen's Behavioral Model as Theoretical Framework: A Systematic Literature Review from 2012–2021. *Iranian Journal of Public Health*. <https://doi.org/10.18502/ijph.v52i7.13236>
- Amalia, L. (2023). Factors affecting the delay of intravenous thrombolysis in hyperacute ischemic stroke patients: a single centre study. *International Journal of General Medicine*, 16, 2157–2163. <https://doi.org/10.2147/IJGM.S412262>
- Amani, F., Fattahzadeh-Ardalani, G., Sharghi, A., & Jafarizadeh, R. (2022). Using multiple logistic regression to determine factors affecting delaying hospital arrival of patients with acute ischemic stroke. *Neurology India*, 70(4), 1548–1553. <https://doi.org/10.4103/0028-3886.355102>
- Andersen, R. M. (1995). Revisiting the Behavioral Model and Access to Medical Care: Does It Matter? In *Journal of Health and Social Behavior* (Vol. 36).
- Andersen, R., & Newman, J. F. (2005). *Societal and Individual Determinants of Medical Care Utilization in the United States*.
- Arif, M., Okraini, N., & Putra, A. Y. M. (2019). Hubungan ketepatan “golden period” dengan derajat kerusakan neurologi pada pasien stroke iskemik diruang instalasi

gawat darurat rumah sakit stroke nasional bukittinggi tahun 2018. *Prosiding Seminar Kesehatan Perintis E*, 2(1), 94–98.

Arikunto. (2013). *Prosedur Penelitian: Suatu Pendekatan Praktik*. Rineka Cipta.

Babitsch, B., Gohl, D., & Von Lengerke, T. (2012). Re-revisiting Andersen's Behavioral Model of Health Services Use: a systematic review of studies from 1998-2011. *GMS Psycho-Social-Medicine*, 9, 1–15.

Balgis, B., Sumardiyono, S., & Handayani, S. (2022). Hubungan antara prevalensi hipertensi, prevalensi dm dengan prevalensi stroke di indonesia (analisis data riskesdas dan profil kesehatan 2018). *Jurnal Kesehatan Masyarakat (Undip)*, 10(3), 379–384. <https://doi.org/10.14710/jkm.v10i3.33243>

Barahama, D. V, Tangkudung, G., & Kembuan, M. A. H. N. (2019). Faktor-faktor yang Berhubungan dengan Keterlambatan Kedatangan Pasien Stroke di RSUP Prof. Dr. R. D. Kandou Manado. *Jurnal E-Clinic*, 7(1), 1–6.

Blasius, G., Aty, Y. M. V. B., Selasa, P., & Romana, A. B. Y. H. (2024). Hubungan pengetahuan, waktu pengambilan keputusan dengan ketepatan penanganan stroke pra rumah sakit. *Jurnal Cakrawala Ilmiah*, 4(4), 485–494.

Boehme, A. K., Esenwa, C., & Elkind, M. S. V. (2017). Stroke Risk Factors, Genetics, and Prevention. *Circulation Research*, 120(3), 472–495. <https://doi.org/10.1161/CIRCRESAHA.116.308398>

- Dar, N. Z., Khan, S. A., Ahmad, A., & Maqsood, S. (2019). Awareness of stroke and health-seeking practices among hypertensive patients in a tertiary care hospital: a cross-sectional survey. *Cureus*, 11(5), 1–15. <https://doi.org/10.7759/cureus.4774>
- de Mélo Silva Júnior, M. L., Menezes, N. C. de S., & Vilanova, M. V. de S. (2023). Recognition, reaction, risk factors and adequate knowledge of stroke: A Brazilian populational survey. *Journal of Stroke and Cerebrovascular Diseases*, 32(8), 107228. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2023.107228>
- Deng, H., Wang, X., Yin, L., Li, X., & Zhang, Y. (2024). Prevalence and determinants of *prehospital* delay among stroke patients in mainland China: A systematic review and meta-analysis of the study protocol. *PLOS ONE*, 19(10), e0312551. <https://doi.org/10.1371/journal.pone.0312551>
- Dhand, A., Luke, D., Lang, C., Tsiaklides, M., Feske, S., & Lee, J.-M. (2019). Social networks and risk of delayed hospital arrival after acute stroke. *Nature Communications*, 10(1), 1206. <https://doi.org/10.1038/s41467-019-09073-5>
- Djalil, R. H., Suranata, F. M., & Takahepis, N. F. (2023). Hubungan Pengetahuan Keluarga Tentang Penyakit Stroke Dengan Penanganan Pre-Hospital Dirumah Sakit TK II Robert Wolter Mongisidi Manado. *Jurnal Mahasiswa Ilmu Farmasi Dan Kesehatan*, 1(2), 46–54. <https://doi.org/10.59841/jumkes.v1i1.508>
- Edakkattil, S., Abraham, S. V., Panattil, N. J., Gafoor, F. A., Jacob, L., & Liu, R. (2024). *Prehospital* Factors Associated with Delayed Hospital Arrival of Stroke Patients:

A Regional Single-Center Study from India. *Annals of Indian Academy of Neurology*, 27(2), 165–171. https://doi.org/10.4103/aian.aian_1091_23

Ennen, K. A., & Zerwic, J. J. (2010). Stroke knowledge: how is it impacted by rural location, age, and gender? *Journal of Rural Nursing and Health Care*, 10(1), 9–21.

Fassbender, K., Balucani, C., Walter, S., Levine, S. R., Haass, A., & Grotta, J. (2013). Streamlining of *prehospital* stroke management: the golden hour. *The Lancet Neurology*, 12(6), 585–596. [https://doi.org/10.1016/S1474-4422\(13\)70100-5](https://doi.org/10.1016/S1474-4422(13)70100-5)

Fladt, J., Meier, N., Thilemann, S., Polymeris, A., Traenka, C., Seiffge, D. J., Sutter, R., Peters, N., Gensicke, H., Flückiger, B., de Hoogh, K., Künzli, N., Bringolf-Isler, B., Bonati, L. H., Engelter, S. T., Lyrer, P. A., & De Marchis, G. M. (2019). Reasons for *Prehospital* Delay in Acute Ischemic Stroke. *Journal of the American Heart Association*, 8(20). <https://doi.org/10.1161/JAHA.119.013101>

Frisullo, G., Scala, I., Di Giovanni, J., Rizzo, P. A., Bellavia, S., Broccolini, A., Monforte, M., Franceschi, F., Gasbarrini, A., Carbone, L., Calabresi, P., & Covino, M. (2024). Racial and ethnic differences in access to care and treatment in patients with suspected acute stroke: A retrospective, observational, cohort study. *Journal of the Neurological Sciences*, 466, 123225. <https://doi.org/10.1016/j.jns.2024.123225>

- Fukuda, H., Hyohdoh, Y., Ninomiya, H., Ueba, Y., Ohta, T., Kawanishi, Y., Kadota, T., Hamada, F., Fukui, N., Nonaka, M., Kawada, K., Fukuda, M., Nishimoto, Y., Matsushita, N., Nojima, Y., Kida, N., Hayashi, S., Izumidani, T., Nishimura, H., ... Ueba, T. (2023). Impact of areal socioeconomic status on *prehospital* delay of acute ischaemic stroke: retrospective cohort study from a prefecture-wide survey in Japan. *BMJ Open*, 13(8), e075612. <https://doi.org/10.1136/bmjopen-2023-075612>
- Gupta, A. K., Kaur, K., Bhatia, L., Kaur, R., Bhaskar, A., & Singh, G. (2023). Causes of Pre-hospital Delay in Acute Stroke in Punjab. *Cureus*. <https://doi.org/10.7759/cureus.39180>
- Haki, C., Cetiner, M., & Kaya, H. (2020). Factors affecting the arrival time to hospital of patients with acute ischemic stroke. *Sanamed*, 15(2), 145–151. <https://doi.org/10.24125/sanamed.v15i2.419>
- Hakiki, S. N., Kosasih, C. E., & Setyawati, A. (2021b). Studi literatur : scoping review gambaran faktor dalam *prehospital* delay pada pasien stroke. *Jurnal Perawat Indonesia*, 5(2), 656–671.
- Hamzah, A., Ristiani, T., & Sasmita, A. (2025). Sikap keluarga dan jarak tempat tinggal berperan dalam keterlambatan waktu kedatangan pasien stroke ke instalasi gawat darurat. *Media Penelitian Dan Pengembangan Kesehatan*, 35(1), 411–419. <https://doi.org/10.34011/jmp2k.v35i1.3179>

Haryono, R., & Utami, M. P. S. (2020). *Keperawatan medikal bedah 2*. Pustaka Baru Press.

Hickey, A., Mellon, L., Williams, D., Shelley, E., & Conroy, R. M. (2018). Does stroke health promotion increase awareness of appropriate behavioural response? Impact of the face, arm, speech and time (FAST) campaign on population knowledge of stroke risk factors, warning signs and emergency response. *European Stroke Journal*, 3(2), 117–125. <https://doi.org/10.1177/2396987317753453>

Hooi Lim, S., Lun Tan, T., Wen Ngo, P., Yuan Lee, L., Ying Ting, S., & Jieh Tan, H. (2023). Factors related to *prehospital* delay and decision delay among acute stroke patients in a district hospital, Malaysia. *Med J Malaysia*, 78(2), 241–249.

Hussain, M. M., Baharuddin, K. A., Fauzi, M. H., Abu Bakar, M. A., Ziyah, A., Ahmed, A. Z., & Sunil, M. (2023). Factors associated with *prehospital* delay in acute myocardial infarction in Maldives. *International Journal of Emergency Medicine*, 16(1), 31. <https://doi.org/10.1186/s12245-023-00503-2>

Huttami, V. T., & Hidajah, A. C. (2020). The utilization of golden period of ischemic stroke in patients in productive ages. *The Indonesian Journal Of Public Health*, 15(3), 258–265. <https://doi.org/10.20473/ijph.v11i5il.2020.258-265>

Ishak, S. J., Yueniwati, Y., Rinik, N., & Kapti, E. (2020). Factors related about family delay bring stroke patient to emergency departments of labuha hospital.

International Journal of Science and Society, 2(4), 657–672.

<http://ijsoc.goacademica.com>

- Ivanka, M. N. P., Pratiwi, W., & Kusnandang, A. (2024). The Association between Family Knowledge and Response with Pre-hospital Delay among Stroke Patients: A Study from Rural Area of Cirebon, Indonesia. *GHMJ (Global Health Management Journal)*, 7(4), 157–166. <https://doi.org/10.35898/ghmj-741111>
- Jiang, B., Ru, X., Sun, H., Liu, H., Sun, D., Liu, Y., Huang, J., He, L., & Wang, W. (2016). Pre-hospital delay and its associated factors in first-ever stroke registered in communities from three cities in China. *Scientific Reports*, 6(1), 29795. <https://doi.org/10.1038/srep29795>
- Jiang, Y., Zhao, Q., Guan, J., Wang, Y., Chen, J., & Li, Y. (2024). Analyzing *prehospital* delays in recurrent acute ischemic stroke: Insights from interpretable machine learning. *Patient Education and Counseling*, 123, 108228. <https://doi.org/10.1016/j.pec.2024.108228>
- Junaidi, I. (2011). *Stroke Waspai Ancamannya*. Andi Offset.
- Jusuf, M. I., Pomalango, Z. B., & Suleman, I. (2023). Faktor-Faktor yang Berhubungan dengan Keterlambatan Keluarga Membawa Pasien Stroke. *Jambura Nuring Journal*, 5(1), 26–38.

- Kabanda, I. K., Ngonzo, C. K., Bowamou, C. K. E., Nzambi, J. P. D., Ponte, N. K., Madoda, O. T., Natuhoyila, A. N., Kabangu, J. R. M., Mbenza, B. L., Bomba, D. B., & Phanzu, B. K. (2024). Stroke signs knowledge and factors associated with a delayed hospital arrival of patients with acute stroke in Kinshasa. *Heliyon*, 10(7). <https://doi.org/10.1016/j.heliyon.2024.e28311>
- Kakame, K. T., Nakibuuka, J., Mukiza, N., Andia-Biraro, I., Kaddumukasa, M., Burant, C., Katabira, E., & Sajatovic, M. (2023b). Prevalence and factors associated with pre-hospital delay among acute stroke patients at Mulago and Kiruddu national referral hospitals, Kampala: a cross-sectional study. *BMC Neurology*, 23(1). <https://doi.org/10.1186/s12883-023-03413-1>
- Kemenkes. (2023a). *Penanganan dan Periode Emas Penderita Stroke*. Kemenkes. <https://ayosehat.kemkes.go.id/penanganan-dan-periode-emas-penderita-stroke#:~:text=Dengan%20membawa%20ke%20rumah%20sakit,membuat%2032%20ribu%20sel%20mati.>
- Kemenkes. (2023b). *Penanganan dan Periode Emas Penderita Stroke*. Kemenkes.
- Kharbach, A., Obtel, M., Achbani, A., Aasfara, J., Hassouni, K., Lahlou, L., & Razine, R. (2021b). Ischemic stroke in Morocco: *Prehospital* delay and associated factors. *Revue d'Epidemiologie et de Sante Publique*, 69(6), 345–359. <https://doi.org/10.1016/j.respe.2021.03.010>

- Khariri, & Ratih, D. S. (2021). Transisi epidemiologi stroke sebagai penyebab kematian pada semua kelompok usia di indonesia. *Seminar Nasional Riset Kedokteran (SENSORIK II)*, 81–86.
- Kosasih, M. I., Firdausi, N., Yektiningsih, E., & Kusnul, Z. (2020). The Effect Of Determinant Factors In The Family On The Arrival Time Of Patients Stroke In Emergency Installation. *STRADA Jurnal Ilmiah Kesehatan*, 9(1), 44–53. <https://doi.org/10.30994/sjik.v9i1.227>
- Kurnia, V., Pauzi, M., Gustin, R. K., Gusmiati, R., & Marlina, Y. (2023). Faktor Penunjang dengan Waktu Kedatangan Keluarga Membawa Pasien Post Serangan Stroke Iskemik ke IGD RS Otak DR.drs.M. Hatta Bukittinggi. *Jurnal Keperawatan Cikini*, 4(2), 216–228.
- Kusyani, A. (2019). Hubungan pengetahuan keluarga dengan lama waktu kedatangan pasien stroke iskemik ke IGD RSUD Jombang. *Well Being*, 4(1), 21–28.
- Lee, E. J., Kim, S. J., Bae, J., Lee, E. J., Kwon, O. D., Jeong, H. Y., Kim, Y., & Jeong, H. B. (2021). Impact of onset-to-door time on outcomes and factors associated with late hospital arrival in patients with acute ischemic stroke. *PLoS ONE*, 16(3 March). <https://doi.org/10.1371/journal.pone.0247829>
- Lee, E.-J., Jeong, H.-Y., Kim, J., Park, N. H., Kang, M. K., Lee, D., Kim, J., Jung, Y. H., Yu, S., Kim, W.-J., Cho, H.-J., Lee, K., Park, T. H., Oh, M. S., Lee, J. S., Kim, J.-T., Yoon, B.-W., Park, J.-M., Bae, H.-J., & Jung, K.-H. (2024). Regional

- disparities in *prehospital* delay of acute ischemic stroke: The Korean Stroke Registry. *European Stroke Journal*, 9(4), 1063–1073.
<https://doi.org/10.1177/23969873241253670>
- Lewis, S. L., Dirksen, S. R., Bucher, L., & Camera, I. M. (2011). *Medical Surgical Nursing* (Eight, Vol. 2). ELSEVIER.
- Li, D., Guo, H., Sun, Y., Zhang, Z., & Liu, H. (2025). Knowledge, attitude, and practice of stroke patients' family members towards stroke rehabilitation: A cross-sectional study. *Journal of Stroke and Cerebrovascular Diseases*, 34(2), 108177.
<https://doi.org/10.1016/j.jstrokecerebrovasdis.2024.108177>
- Mamo, B. T., Tefera, D. B., Altaye, M. G., Geram, F. G., Dano, A. M., Bekele Sana, Y., Gebre, F. S., & Bongor, Z. T. (2025). Predictors of pre-hospital delay among stroke patients in Yekatit-12 hospital Addis Ababa, Ethiopia: unmatched case-control study. *International Journal of Emergency Medicine*, 18(1), 78.
<https://doi.org/10.1186/s12245-025-00839-x>
- Manuputty, F., Murwani, P., Darakay, J., & Al Hamid, R. (2022). Modernisasi dan perubahan struktur keluarga pada masyarakat adat (Studi Pada Masyarakat Negeri Noloth, Saparua Maluku Tengah). *Jurnal Noken*, 7(2), 278–289.
- Maulany, R. F., Dianingati, R. S., & Annisaa', E. (2021). Faktor-Faktor yang Mempengaruhi Akses Kesehatan. *Indonesian Journal of Pharmacy and Natural Product*, 4(2), 142–149. <http://jurnal.unw.ac.id/index.php/ijpnp>

- McClelland, G., Burrow, E., Alton, A., Shaw, L., Finch, T., & Price, C. (2023). What factors contribute towards ambulance on-scene times for suspected stroke patients? An observational study. *European Stroke Journal*, 8(2), 492–500. <https://doi.org/10.1177/23969873231163290>
- Mediyana, D., Fuziati, & Andri. (2024). Prevalensi stroke iskemik dengan faktor risiko diabetes melitus dan hipertensi di rsud meuraxa. *Jurnal Ilmu Kedokteran Dan Kesehatan*, 11(12), 2337–2344. <http://ejournalmalahayati.ac.id/index.php/kesehatan>
- Nasreldein, A., Walter, S., Mohamed, K. O., Shehata, G. A., Ghali, A. A., Dahshan, A., Faßbender, K., & Abd-Allah, F. (2023). Pre- and in-hospital delays in the use of thrombolytic therapy for patients with acute ischemic stroke in rural and urban Egypt. *Frontiers in Neurology*, 13. <https://doi.org/10.3389/fneur.2022.1070523>
- Nento, S. E., Harismayanti, & Syamsuddin, F. (2023). Hubungan Pengetahuan Keluarga dengan Penanganan Awal Kejadian Strokedi Rsud Prof. Dr. Aloei Saboe. *Jurnal Ventilator: Jurnal Riset Ilmu Kesehatan Dan Keperawatan*, 1(2), 24–32.
- Nepal, G., Yadav, J. K., Basnet, B., Shrestha, T. M., Kharel, G., & Ojha, R. (2019). Status of *prehospital* delay and intravenous thrombolysis in the management of acute ischemic stroke in Nepal. *BMC Neurology*, 19(1), 155. <https://doi.org/10.1186/s12883-019-1378-3>
- Notoatmodjo, S. (2018). *Metodologi penelitian kesehatan*. Rineka Cipta.

- Nursiswati, Maniatunufus, & Herliani, Y. K. (2023). Psychometric properties indonesian stroke recognition questionnaire (srq) untuk pasien dengan hipertensi, diabetes mellitus, dan penyakit jantung. *Jurnal Keperawatan Sriwijaya*, 10(1), 1–9.
- Nutakki, A., Chomba, M., Chishimba, L., Zimba, S., Gottesman, R. F., Bahouth, M. N., & Saylor, D. (2021). Risk factors and outcomes of hospitalized stroke patients in Lusaka, Zambia. *Journal of the Neurological Sciences*, 424, 117404. <https://doi.org/10.1016/j.jns.2021.117404>
- P2PTM Kemenkes RI. (2018). *Apa itu Stroke?* Kemenkes. <https://p2ptm.kemkes.go.id/infographic-p2ptm/stroke/apa-itu-stroke#:~:text=Definisi%20menurut%20WHO%2C%20Stroke%20adalah,lain%20yang%20jelas%20selain%20vascular>.
- Peter-Derex, L., & Derex, L. (2019). Wake-up stroke: From pathophysiology to management. *Sleep Medicine Reviews*, 48, 101212. <https://doi.org/10.1016/j.smr.2019.101212>
- Potisopha, W., Vuckovic, K. M., DeVon, H. A., Park, C. G., Phutthikhamin, N., & Hersberger, P. E. (2023). Decision Delay Is a Significant Contributor to Prehospital Delay for Stroke Symptoms. *Western Journal of Nursing Research*, 45(1), 55–66. <https://doi.org/10.1177/01939459221105827>

- Prabhu, A. (2024). *Joint Family vs Nuclear Family*. TalentBattle. <https://talentbattle.in/group-discussion/joint-family-vs-nuclear-family-group-discussion-essay-writing>
- Prasetyo, E. (2017). Faktor-faktor yang mempengaruhi keterlambatan pasien stroke akut datang ke lima rumah sakit pemerintah di DKI Jakarta. *Artikel Penelitian Majalah Kesehatan PharmaMedika*, 9(1), 40–52.
- Prayitno, A. M., & Fitriana, N. F. (2025). Relationship Between Knowledge Level, Distance from Home and Type of Transportation with Length of Arrival of Stroke Patients in The Emergency Group of Prof. Dr. Margono Soekarjo Purwokerto Hospital. *Proceedings Series on Health & Medical Sciences*, 6, 1–9. <https://doi.org/10.30595/pshms.v6i.1399>
- Pulvers, J. N., & Watson, J. D. G. (2017). If time is brain where is the improvement in *prehospital* time after stroke? In *Frontiers in Neurology* (Vol. 8, Issue NOV). Frontiers Media S.A. <https://doi.org/10.3389/fneur.2017.00617>
- Putri, Z. R., & Santoso, B. R. (2020). Family Perception of Diseases Related to the Reference Time in Stroke Patient: Literature Review. *Journal Of Nursing Practice*, 4(1), 107–116. <https://doi.org/10.30994/jnp.v4i1.113>
- Rahmawan, F. A., Yueniwati, Y., & Suharsono, T. (2020). Perception of severity level and decision making of family correlation toward departing interval of patient

suffering ischemic stroke. *MNJ (Malang Neurology Journal)*, 6(2), 63–68.

<https://doi.org/10.21776/ub.mnj.2020.006.02.3>

Rahmawati, N., Pebrianti, S., & Nursiswati, N. (2023b). Konsep dan Penerapan Intervensi *Prehospital* pada Stroke: Sebuah Tinjauan Pustaka. *MAHESA : Malahayati Health Student Journal*, 3(7), 2108–2123. <https://doi.org/10.33024/mahesa.v3i7.10720>

Revathi, S., Kavitha, M., & Shankar, V. (2023b). Factors Associated with *Prehospital* Delay in Patients with Acute Stroke in South India. *Indian Journal of Community Medicine*, 48(1), 82–90. https://doi.org/10.4103/ijcm.ijcm_213_22

Rimmele, D. L., & Thomalla, G. (2014). Wake-Up Stroke: Clinical Characteristics, Imaging Findings, and Treatment Option “an Update. *Frontiers in Neurology*, 5. <https://doi.org/10.3389/fneur.2014.00035>

Riskesdas. (2018a). *Laporan Riskesdas 2018 Nasional*.

Riskesdas. (2018b). *Laporan Riskesdas Sumatera Barat 2018*.

Rosamond, W. D., Reeves, M. J., Johnson, A., & Evenson, K. R. (2006). Documentation of Stroke Onset Time. *American Journal of Preventive Medicine*, 31(6), S230–S234. <https://doi.org/10.1016/j.amepre.2006.08.008>

- Rosmary, M. T. N., & Handayani, F. (2020). Hubungan pengetahuan keluarga dan perilaku keluarga pada penanganan awal kejadian stroke. *Journal of Holistic Nursing and Health Science*, 3(1), 32–39.
- Sacco, R. L., Kasner, S. E., Broderick, J. P., Caplan, L. R., Connors, J. J., Culebras, A., Elkind, M. S. V., George, M. G., Hamdan, A. D., Higashida, R. T., Hoh, B. L., Janis, L. S., Kase, C. S., Kleindorfer, D. O., Lee, J. M., Moseley, M. E., Peterson, E. D., Turan, T. N., Valderrama, A. L., & Vinters, H. V. (2013). An updated definition of stroke for the 21st century: A statement for healthcare professionals from the American heart association/American stroke association. *Stroke*, 44(7), 2064–2089. <https://doi.org/10.1161/STR.0b013e318296aeca>
- Sadighi, A., Groody, A., Wasko, L., Hornak, J., & Zand, R. (2018). Recognition of Stroke Warning Signs and Risk Factors Among Rural Population in Central Pennsylvania. *Journal of Vascular and Interventional Neurology*, 10(2), 4–10.
- Sari, I. (2022). Analisis Ekologi: Hubungan Faktor Risiko dengan Prevalensi Stroke di Indonesia 2018. *Jurnal Ilmu Kesehatan*, 3(4), 132–138.
- Sheikh Hassan, M., & Yucel, Y. (2022). Factors Influencing Early Hospital Arrival of Patients with Acute Ischemic Stroke, Cross-Sectional Study at Teaching Hospital in Mogadishu Somalia. *Journal of Multidisciplinary Healthcare*, Volume 15, 2891–2899. <https://doi.org/10.2147/JMDH.S392922>

- Situmorang, R. Y. S., Basuki, A., & Juli, C. (2020). Waktu Kedatangan Pasien Stroke di Bagian Penyakit Saraf Rumah Sakit. *Journal of Medicine and Health Waktu Kedatangan Pasien Stroke*, 2(6), 145–157.
- Soto-Cámara, R., González-Bernal, J. J., González-Santos, J., Aguilar-Parra, J. M., Trigueros, R., & López-Liria, R. (2020). Knowledge on Signs and Risk Factors in Stroke Patients. *Journal of Clinical Medicine*, 9(8), 2557. <https://doi.org/10.3390/jcm9082557>
- Su, Y., Qi, W., Yu, Y., Zhu, J., Shi, X., Wu, X., Chi, F., Xia, R., Qin, L., Cao, L., Yang, Y., Liu, Q., Peng, X., Huang, G., Chen, J., Xue, Y., Guan, W., Gao, D., Ye, B., & Ren, L. (2025b). Analysis of *prehospital* delay in acute ischaemic stroke and its influencing factors: a multicentre prospective case registry study in China. *Stroke and Vascular Neurology*, svn-2024-003535. <https://doi.org/10.1136/svn-2024-003535>
- Sugiyono. (2019). *Metode penelitian kuantitatif, kualitatif, dan R&D*. Ikatan Penerbit Indonesia.
- Syamsuddin, F., Arsyad, A. I., Harun, K., Mohammad, M., Damansyah, H., Ayuba, A., Yunus, P., Sudirman, A. N. A., & Ismulail, A. M. R. (2024). Faktor-faktor yang mempengaruhi kejadian pre-hospital delay pada pasien stroke. *Jurnal Keperawatan Florence Nightingale*, 7(2), 415–427. <https://doi.org/10.52774/jkfn.v7i2.310>

- Syifa, N., & Saharuddin, E. (2024). Analisis Kualitas Pelayanan Kesehatan Program Ambulans Gratis Lazismu Bantul Kota. *TheJournalish: Social and Government*, 5(3\4), 333–341. <https://doi.org/10.55314/tsg.v5i3.811>
- Tarwoto. (2013). *Keperawatan medikal bedah: Gangguan sistem persyarafan*. CV Sagung Soto.
- TeuschI, Y., & Brainin, M. (2010). Stroke Education: Discrepancies among Factors Influencing *Prehospital* Delay and Stroke Knowledge. *International Journal of Stroke*, 5(3), 187–208. <https://doi.org/10.1111/j.1747-4949.2010.00428.x>
- Truong, H. T., Nakahara, S., Nguyen, S. H., Le, C. N., Shinichi, T., Kuchiba, A., Mai, T. D., & Nguyen, H. T. (2024). Factors Associated With Delayed Hospital Arrival After Stroke Onset: An Observational Study in Thanh Hoa Province, Vietnam. *Cureus*. <https://doi.org/10.7759/cureus.73361>
- Valentina, R., & Pujianto. (2019). Faktor-faktor yang berhubungan dengan pemanfaatan layanan rawat jalan. *Poltekita: Jurnal Ilmu Kesehatan*, 13(1), 12–16.
- Vallippalam, J., Krishna, S., Suresh, N., Sunny, A. A., Karthikeyan, & Iyer, R. S. (2021). Stroke education focusing on recognition and response to decrease pre-hospital delay in India: Need of the hour to save hours. *Interdisciplinary Neurosurgery*, 26, 101309. <https://doi.org/10.1016/j.inat.2021.101309>

- Wahyuni, T., & Martawinarti, R. N. (2023). Hubungan Pengetahuan Keluarga terhadap Pertolongan Pertama pada Pasien Stroke di Wilayah Kerja Kumpeh. *Jurnal Ilmu Ilmu Kesehatan*, 9(1), 12–17.
- Walter, S., Phillips, D., Wells, B., Moon, R., Bertsch, T., Grunwald, I. Q., & Fassbender, K. (2022). Detection to Hospital Door: Gender Differences of Patients With Acute Stroke Symptoms. *Frontiers in Neurology*, 13. <https://doi.org/10.3389/fneur.2022.833933>
- Wang, R., Wang, Z., Yang, D., Wang, J., Gou, C., Zhang, Y., Xian, L., & Wang, Q. (2021). Early Hospital Arrival After Acute Ischemic Stroke Is Associated With Family Members' Knowledge About Stroke. *Frontiers in Neurology*, 12. <https://doi.org/10.3389/fneur.2021.652321>
- Wanichanon, W., Ananchaisarp, T., Tantarattanapong, S., & Chamroonkiadtikun, P. (2024b). Prevalence and factors influencing pre-hospital delays in patients with acute stroke. *Journal of Public Health and Emergency*, 8, 23–23. <https://doi.org/10.21037/jphe-24-30>
- Wibowo, D., Setyobudihono, S., & Lestia, S. (2023). Literature Review Faktor-Faktor Penghambat Pelayanan Ambulans Gawat Darurat Di *Prehospital*. *Jurnal Kebidanan Dan Keperawatan*, 14(1), 43–55.

Wijayanti, W., Rosidawati, I., Solihatin, Y., & Muttaqin, Z. (2023). *Gambaran Pengetahuan Keluarga Tentang Penanganan Pre-Hospital Pada Pasien Stroke di RSUD dr Soekardjo Kota Tasikmalaya* (Vol. 01, Issue 01).

Wiyarta, E., Fisher, M., Kurniawan, M., Hidayat, R., Geraldi, I. P., Khan, Q. A., Widyadharma, I. P. E., Badshah, A., & Pandian, J. D. (2024). Global Insights on *Prehospital* Stroke Care: A Comprehensive Review of Challenges and Solutions in Low- and Middle-Income Countries. *Journal of Clinical Medicine*, 13(16), 4780. <https://doi.org/10.3390/jcm13164780>

Wyen, H., Lefering, R., Maegele, M., Brockamp, T., Wafaisade, A., Wutzler, S., Walcher, F., & Marzi, I. (2013). The golden hour of shock - How time is running out: *Prehospital* time intervals in Germany - A multivariate analysis of 15, 103 patients from the TraumaRegister DGU®. *Emergency Medicine Journal*, 30(12), 1048–1055. <https://doi.org/10.1136/emmermed-2012-201962>

Yoon, C. W., Oh, H., Lee, J., Rha, J. H., Woo, S. I., Lee, W. K., Jung, H. Y., Ban, B., Kang, J., Kim, B. J., Kim, W. S., Yoon, C. H., Lee, H., Kim, S., Kim, S. H., Kang, E. K., Her, A. Y., Cha, J. K., Kim, D. H., ... Bae, H. J. (2022). Comparisons of *Prehospital* Delay and Related Factors Between Acute Ischemic Stroke and Acute Myocardial Infarction. *Journal of the American Heart Association*, 11(9). <https://doi.org/10.1161/JAHA.121.023214>