

DAFTAR PUSTAKA

- Anstey, K.J., Von, S.C., Salim, A., O’Kearney R., 2007. Smoking as a risk factor for dementia and cognitive decline: a meta-analysis of prospective studies. *Am J Epidemiol* 2007;166:367-378. Available at: [PMID: 17573335 DOI: 10.1093/aje/kwm116].
- Arboix, A., 2015. Cardiovascular risk factors for acute stroke: Risk profiles in the different subtypes of ischemic stroke. *World Journal of Clinical Cases*, 3(5), p.418. Available at: <http://www.wjgnet.com/2307-8960/full/v3/i5/418.htm>.
- Alexandrova, M.L., Danovska, M.P., 2016. Cognitive impairment one year after ischemic stroke: predictors and dynamics of significant determinants. *Turk J Med Sci*, 46: 1366-1373.
- Bamford, J., Sandercock, P., Dennis, M., 1991. Classification and natural history of clinically identifiable subtypes of cerebral infarction. *Lancet*, 337:1521-1526.
- Becker, K.L., Snider, K., Nylen, E.S., 2010. Procalcitonin in sepsis and systemic inflammation: a harmful biomarker and a therapeutic target. *British Journal of Pharmacology*, 159, 253-2n 64.
- Boehme, A.K., Esenwa, C., Elkind, M.S.V., 2017. Stroke Risk Factors, Genetics, and Prevention. *Circ. Res. Am. Stroke Assoc.*, 120, 472–496.
- Burns, M., Duff, K., 2002. Cholesterol in Alzheimer's disease and tauopathy. *Ann NY Acad Sci.*, 977:367-75.
- Cannon, C.P. and Braunwald, E., 2001. Unstable Angina. In Braunwald: *Heart Disease; A Textbook of Cardiovascular Medicine*, 6th ed., American: WB Saunders Company: 1232-1255.
- Centers for Disease Control and Prevention. CDC., 2010. *CDC - 2010 Surgeon General’s Report - Smoking & Tobacco Use*. Retrieved Agustus 19, 2016. Available at: http://www.cdc.gov/tobacco/data_statistics/sgr/2010/.
- Chen, X., Zhou, L., Zhang, Y., Yi, D., Liu, L., Rao, W., *et al.*, 2014. Risk Factors of Stroke in Western and Asian Countries: A Systematic Review and Meta-analysis of Prospective Cohort Studies. *BMC Public Health*, 14: 776. Available at: <https://doi.org/10.1186/1471-2458-14-776>.
- Chen, A., Xiong, L. J., Tong, Y., Mao, M., 2013. Neuroprotective effect of brain-derived neurotrophic factor mediated by autophagy through the PI3K/Akt/mTOR pathway. *Molecular Medicine Reports*, 8(4), 1011–1016. Available at: <https://doi.org/10.3892/mmr.2013.1628>.
- Dahlan, M.S., 2014. *Membuat Proposal Penelitian dalam Bidang Kedokteran dan Kesehatan: Metode IKVE 1741*, Edisi 2 Cetakan 3, Jakarta: Penerbit Sagung Seto, Jakarta.
- Deng, W., 2014. Relationship Between Procalcitonin Serum Levels and Functional Outcome in Stroke Patients. *Original Research Cell Mol Neurobiol*, 35:355–361.

- Departemen Kesehatan RI., 2013. Riset Kesehatan Dasar. *Jakarta: Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia.*
- Department of Health National Audit Office, 2010. *Progress in improving stroke care.* London :Department of Health. Report by the Comptroller and auditor General.
- Desmond, D.W., Moroney, J.T., Mary, S., Yaakov, S., 1996. Recovery of Cognitive Function After Stroke. *Stroke* (27):1798-1803.
- Desmond, D.W., Moroney, J.T., Paik, M.C., 2000. Frequency and clinical determinants of dementia after ischemic stroke. *Neurology*, 54:1124–31.
- Dewiyana, Setyopranoto, I., Paryono, 2015. Peningkatan Skor Indeks Barthel Sebagai Acuan Pemulangan Pasien Stroke Iskemik Dari Rumah Sakit. *Tesis.* Yogyakarta: Program Pasca Sarjana Universitas Gadjah Mada.
- Eghbali, B., Roudbary, S.A., Basir, J.S., *et al.*, 2016. Ability of serum C-reactive protein and white blood cell count in predicting acute ischemic stroke. A short-term follow-up study. *Caspian Journal of Internal Medicine*, 7(3): 206–210.
- Elbaz, A., Vicente-Vytopilova, P., Tavernier, B., *et al.*, 2013. Motor function in the elderly: Evidence for the reserve hypothesis. *Neurology*, 81(5).
- Engelhart, M.J., Geerlings, M.I., Meijer, J., Kiliaan, A., Ruitenberg, A., van Swieten, J.C., *et al.*, 2004. Inflammatory proteins in plasma and the risk of dementia: The Rotterdam Study. *Arch Neurol.* 61:668–72.
- Erkinjuntti, T., Inzitari, D., Pantoni, L., 2000. Research criteria for subcortical vascular dementia in clinical trials. *J Neural Transm Suppl.* 59: 23–30.
- Feigin, V.L., 2013. Global and regional burden of stroke during 1990-2010: findings from the global Burden of Disease Study 2010. *The Lancet.*
- Gaspard, K.J., 1998. Alteration in hemostasis. In: Porth, A.M., *Pathophysiology.* Philadelphia: Lippincott, 1998. p.121-31.
- Go, A.S., Mozaffarian, D., Roger, V.L., Benjamin, E.J., Berry, J.D., Borden, W.B., *et al.*, 2013. Heart disease and stroke statistics--2013 update: a report from the American Heart Association. *Circulation*, 127(1):e6-e245.
- Godefroy, O., Fickl, A., Roussel, M., 2011. Is the Montreal Cognitive Assessment superior to the Mini-Mental State Examination to detect poststroke cognitive impairment? A study with neuropsychological evaluation. *Stroke*, 42:1712–16.
- Gofir, A., Mulyono, B., Sutarni, S., 2017. Hyperglycemia as a prognosis predictor of length of stay and functional outcomes in patients with acute ischemic stroke. *International Journal of Neuroscience*, 127(10), pp.923-929. Available at: DOI: 10.1080/00207454.2017.1280793.
- Gong, X., Zou, X., Liu, L., 2013. Prognostic Value of Inflammatory Mediators in 1-Year Outcome of Acute Ischemic Stroke with Middle Cerebral Artery Stenosis. *Mediators of Inflammation.* 850714.
- Gorelick, P.B., Scuteri, A., Black, S.E., 2011. Vascular contributions to cognitive impairment and dementia: a statement for healthcare professionals from

- the American Heart Association/American Stroke Association. *Stroke*, 42: 2672–713.
- Grace, M., Jacob, K.J., Kumar, A.V., Shameer, V.K., 2016. Role of dyslipidemia in stroke and comparison of lipid profile in ischemic and hemorrhagic stroke -a case control study. *Int J Adv Med*, 3:694-8.
- Greenberg, S.M., Gurol, M.E., Rosand, J., Smith, E.E., 2004. Amyloid angiopathy-related vascular cognitive impairment. *Stroke*, 35(Suppl 1): 2616–1.
- Gupta, A., Giambone, A.E., Gialdini, G., Finn, C., Delgado, D., Gutierrez, J., *et al.*, 2016. Silent Brain Infarction and Risk of Future Stroke: A Systematic Review and Meta-Analysis. *Stroke*, 47(3):719-25.
- Haley, M.J., and Lawrence, C.B., 2016. Obesity and stroke: Can we translate from rodents to patients? *J Cereb Blood Flow Metab.*, 36(12): 2007-2021.
- He, Q., Li, Q., Zhao, J., Wu, T., Ji, L., Huang, G., *et al.*, 2016. Relationship between plasma lipids and mild cognitive impairment in the elderly Chinese: a case-control study. *Lipids in Health and Disease*, 15(1), 146.
- Hillis, A.E., Kane, A., Tuffiash, E., *et al.*, 2001. Reperfusion of specific brain regions by raising blood pressure restores selective language functions in subacute stroke. *Brain Lang.* 79: 495–510.
- Horstmann, S., Rizosa, T., Rauchb, G., Ardena, C., and Veltkampa, R., 2014. Feasibility of the Montreal Cognitive Assessment in acute stroke patients. *European Journal of Neurology*. 21: 1387–1393.
- Jones, D.M.L., 2000. Effect of leukocytosis at initial examination on prognosis in patients primary unstable angina. *Am Heart J*, 139 (5), 867-873.
- Kao, T.W., Chang, Y.W., Chou, C.C., 2011. White blood cell count and psychomotor cognitive performance in the elderly. *European Journal of Clinical Investigation*. Vol 41.
- Kemenkes, 2013. *Riset Kesehatan Dasar (Riskesda)*. Jakarta: Badan Penelitian Dan Pengembangan Kesehatan Kementerian Kesehatan RI Tahun 2013.
- Kim, J., Park, B.S., Shin, K.J., 2015. Procalcitonin as a Diagnostic and Prognostic Factor for Tuberculosis Meningitis. *J Clin Neurol*, 12(3):332-339.
- Kontantinidis, T., Cassimos, D., Gioka, T., *et al.*, 2014. Can Procalcitonin in cerebrospinal fluid be a diagnostic tool for meningitis?. *J Clin Lan Anal*, 29:169-174.
- Kuklina, E. V, Tong, X., George, M.G., Bansil, P., 2015. Epidemiology and Prevention of Stroke: a Worldwide Perspective. *J. Expert Rev. Neurother.* 12, 199–208.
- Leibson, C.L., Rocca, W.A., Hanson, V.A., *et al.*, 1997. Risk of dementia among persons with diabetes mellitus: a population-based cohort study. *Am J Epidemiol*, 145: 301–8.
- Leśniak, M., Bak, T., Czepiel, W., Seniów, J., and Członkowska, A., 2008. Frequency and prognostic value of cognitive disorders in stroke patients. *Dementia and Geriatric Cognitive Disorders*, 26(4), 356–363.
- Levent, E., Ozyürek, A.R., Ülger, Z., 2004. Evaluation of aortic stiffness in tobacco-smoking adolescents. *The Journal of Adolescent Health*, 34(4): 339-343.

- Lever, A., and Mackenzie, I., 2007. Sepsis: definition, epidemiology, and diagnosis. *BMJ*; 335: 879-883.
- Liuzzo, G., and Rizzello, V., 2001. C-Reactive Protein and primary prevention of heart disease. *Clinica Clinica Acta* 311, 45-48.
- Luo, M., Li, J., Sun, X., 2015. Interactions among Candidate Genes Selected by Meta-Analyses Resulting in Higher Risk of Ischemic Stroke in a Chinese Population. *PLoS One*, 10(12), e0145399.
- Mahmood, A., Sharif, M.A., Khan, M.N., Ali, U.Z., 2010. Comparison of Serum Lipid Profile in Ischaemic and Haemorrhagic Stroke. *Journal of the College of Physicians and Surgeons Pakistan*. Vol. 20 (5): 317-320.
- Makihara, N., Kamouchi, M., Hata, J., 2013. Statins and the risks of stroke recurrence and death after ischemic stroke: the Fukuoka Stroke Registry. *Atherosclerosis*, 231(2), 211-215.
- Marshall, J.C., 2006. Biomarkers of Sepsis. *Current Infectious Disease Reports*; 8: 351-357.
- Megherbi, S.E., Milan, C., Minier, D., Courveur, G., Osseby, G.V., Tilling, K., *et al.*, 2003. Association between diabetes and stroke subtype on survival and functional outcome 3 months after stroke: data from the European BIOMED stroke project. *Stroke*. 34(3):688–694.
- Meisner M., Tschaikowsky K., Palmaers T., 1999. Comparison of PCT and CRP Plasma Concentrations at different SOFA scores during the course of Sepsis and MODS. *Critical Care*. 3(1):45-9.
- Morrison, J. H., and Baxter, M. G. 2012. The Aging Cortical Synapse: Hallmarks and Implications for Cognitive Decline. *Nature Reviews. Neuroscience*, 13(4), 240–250.
- Mozaffarian, D., Benjamin, E.J., Go, A.S., 2015. Heart Disease and Stroke Statistics—2015 Update A Report From the American Heart Association. *Circulation*, 131e29-e322.
- Muller, B., and Crain, M.J., 2005. Procalcitonin in bacterial infections-hype, hope, more or less?. *Swiss Medicine*;135:451-460.
- Muller, B., White, J.C., Nysten, E.S., 2001. Ubiquitous expression of the calcitonin gene in multiple tissues in response to sepsis. *Endocrinology Metabolic Clinical Journal*; 86:396-404.
- Murman, D. L., 2015. The Impact of Age on Cognition. *Seminars in Hearing*, 36(3), 111–121
- Nastiti, D., 2012. Gambaran Faktor Resiko Kejadian Stroke pada Pasien Stroke Rawat Inap di RS Krakatau Medika Tahun 2011. Skripsi. Jakarta: Program Studi Kesehatan Masyarakat Universitas Indonesia.
- Nasreddine, Z.S., Phillips, N.A., Bédirian, V., Charbonneau, S., Whitehead, V., Collin, I., *et al.*, 2005. The Montreal Cognitive Assessment, MoCA: a brief screening tool for mild cognitive impairment. *J Am Geriatr Soc*. 53:695–9.
- Pearson, T. A., Mensah, G. A., Alexander, R. W., Anderson, J. L., Cannon, R. O., Criqui, M., *et al.*, 2003. Markers of inflammation and cardiovascular disease: Application to clinical and public health practice: A statement for healthcare professionals from the centers for disease control and

- prevention and the American Heart Association. *Circulation*, 107(3), 499–511.
- Rahajeng, E., 2012. Upaya Pengendalian PTM di Indonesia. *Buletin Jendela Data dan Informasi Kesehatan Departemen Kesehatan RI*.
- Rathore, S. S., Hinn, A. R., Cooper, L. S., Tyroler, H. A., and Rosamond, W. D., 2002. Characterization of Incident Stroke Signs and Symptoms. *Stroke*, 33(11).
- Roos, K.L., Greenlee, J.E., 2011. Meningitis and Encephalitis. *Continuum Lifelong Learning Neurol*, 17(5), 1010-1023.
- Rosamond, W., Flegal, K., Furie, K., Go, A., 2008. Heart disease and stroke statistics--2008 update: a report from the American Heart Association Statistics Committee and Stroke Statistics Subcommittee. *Circulation*. 2008 Jan 29;117(4):e25-146.
- Sacco, R.L., Kasner, S.E., Broderick, J.P., Caplan, L.R., Connors, J.J., Culebras, A., *et al.*, 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):2064-89.
- Salvadori, E., Pasi, M., Poggesi, A., Chiti, G., Inzitari, D., and Pantoni, L., 2013. Predictive value of MoCA in the acute phase of stroke on the diagnosis of mid-term cognitive impairment. *Journal of Neurology*, 260(9), 2220–2227.
- Sastroasmoro, S., Ismael, S., 2011. *Dasar Dasar Metodologi Penelitian Klinis* 4th ed., Yogyakarta: Penerbit Sagung Seto.
- Schilling, S., Debette, S., Tzourio, C., 2016. *Dyslipidemia and Risk of Stroke and Cerebrovascular Disease in Risk Factors for Cerebrovascular Disease and Stroke*. New York: Oxford University Press, p.180–221.
- Setyopranoto, I., 2012. *Odem otak pada pasien stroke iskemik akut*. Yogyakarta: Badan Penerbit Fakultas Kedokteran Universitas Gadjah Mada.
- Setyopranoto, I., Wibowo, S., Sadewa, A., 2016. Reduced Vascular Endothelial Growth Factor A Levels are Correlated with the Incidence of Brain Edema in Acute Ischemic Stroke Patients. *BJMMR*, 13(2), 1-7.
- Singh-Manoux, A., Marmot, M. G., Glymour, M., Sabia, S., Kivimäki, M., and Dugravot, A. 2011. Does cognitive reserve shape cognitive decline? *Annals of Neurology*, 70(2), 296–304.
- Skoog, I., Lernfelt, B., Landahl, S., 1996. 15-year longitudinal study of blood pressure and dementia. *Lancet*, 347: 1141–5.
- Sohail, A., Khatri, I. A., Mehboob, N., 2013. Effect of dyslipidemia on severity and outcome of stroke using mRS scores in Northern Pakistani population. *Rawal Medical Journal*, 38(4), 345–350.
- Staekenborg, S.S., van der Flier, W.M., van Straaten, E.C., 2008. Neurological signs in relation to type of cerebrovascular disease in vascular dementia. *Stroke*, 39: 317–22.
- Van Der Wal, A.C., Becker, A.E., Van Der Loos, C.M., Das, P.K., 1994. Site of intimal rupture or erosion of thrombosed coronary atherosclerotic plaques in characterized by an inflammatory process irrespective of the dominant plaque morphology. *Circulation*; 89: 36- 44.

- Vermeer, S.E., Prins, N.D., den Heijer, T., 2003. Silent brain infarcts and the risk of dementia and cognitive decline. *N Engl J Med.* 348: 1215–22.
- Venkatasubramanian, N., Yoon, B. W., Pandian, J., Navarro, J. C., 2017. Stroke Epidemiology in South, East, and South-East Asia: A Review. *Journal of Stroke*, 19(3), 286–294. Available at: <https://doi.org/10.5853/jos.2017.00234>.
- Vikarunnessa, S., Weiner, M.F., and Vega, G.L., 2013. LDL Phenotype in Subjects with Mild Cognitive Impairment and Alzheimer's Disease. *Journal of Alzheimer's Disease*, 36(3), 571–575.
- Vila, N., Castillo, J., Dávalos, A, and Chamorro, A., 2000. Proinflammatory cytokines and early neurological worsening in ischemic stroke. *Stroke; a Journal of Cerebral Circulation*, 31(10), 2325–2329.
- Viswanathan, A., Rocca, W.A., Tzourio, C., 2009. Vascular risk factors and dementia: how to move forward. *Neurology.* 72: 368–74.
- Vogel, R.A., Corretti, M.C., and Gellman, J., 1998. Cholesterol, cholesterol lowering, and endothelial function. *Prog Cardiovasc Dis*, 41:117-36.
- Weiss, D., Sorescu, D., Taylor, W.R., 2001. Angiotensin II and Atherosclerosis. *Am J Cardiol*; 87 (suppl): 25C-32C.
- Whiteley, W., Jackson, C., Lewis, S., Lowe, G., Rumley, A., Sandercock, P., *et al.*, 2009. Inflammatory markers and poor outcome after stroke: A prospective cohort study and systematic review of interleukin-6. *PLoS Medicine*, 6(9).
- Whiteley, W., Jackson, C., Lewis, S., 2011. Association of circulating inflammatory markers with recurrent vascular events after stroke: a prospective cohort study. *Stroke*, 42 (2011), pp. 10-16.
- WHO., 2013. World Congress of Neurology 2013 : Updating the Definition of Stroke. *World Neurology*, 28(4).
- Wolberg, A.S., Aleman, M.M., Leiderman, K., and Machlus, K.R., 2012. Procoagulant Activity in Hemostasis and Thrombosis: Virchow's Triad Revisited. *Anesth Analg.*; 114(2): 275-285.
- Wu, Y., Wang, M., Ren, M., Xe, W., 2013. The effects of educational background on Montreal Cognitive Assessment screening for vascular cognitive impairment, no dementia, caused by ischemic stroke. *J Clin Neurosci.* 20(10):1406-10.
- Yaffe, K., Kanaya, A., Lindquist, K., 2004. The Metabolic Syndrome, Inflammation, and Risk of Cognitive Decline. *JAMA.* 292(18):2237-2242.
- Youn, C.S., Choi, S.P., Kim, S.H., *et al.*, 2012. Serum highly selective C-reactive protein concentration is associated with the volume of ischemic tissue in acute ischemic stroke. *Am J Emerg Med.* 30:124–8.
- Yudiarto, F., Machfoed, M., Darwin, A., Ong, A., Karyana, M., and Siswanto, 2014. Indonesia Stroke Registry (S12.003). *Neurology*, 82(10) Supplement: S12.003.
- Zahodne, L. B., Glymour, M. M., Sparks, C., Bontempo, D., Dixon, R. A., and MacDonald, S. W. S., 2011. Education Does Not Slow Cognitive Decline with Aging: 12-Year Evidence from the Victoria Longitudinal

Study. *Journal of the International Neuropsychological Society*, 17(6), 1039–1046.

Zhuang, L., Sachdev, P. S., Trollor, J. N., Reppermund, S., Kochan, N. A., and Brodaty, H., 2013. Microstructural White Matter Changes, Not Hippocampal Atrophy, Detect Early Amnesic Mild Cognitive Impairment. *Plos One*, 8(3), e58887.