

DAFTAR PUSTAKA

- Anderson, M. R., Miller, L., Wickramaratne, P., Svob, C., Odgerel, Z., Zhao, R., & Weissman, M. M. (2017). Genetic Correlates of Spirituality/Religion and Depression: A Study in Offspring and Grandchildren at High and Low Familial Risk for Depression. *Spirituality in clinical practice (Washington, D.C.)*, 4(1), 43–63. <https://doi.org/10.1037/scp0000125>
- Andrew B. Newberg, Nancy Wintering, David B. Yaden, Li Zhong, Brendan Bowen, Noah Averick & Daniel A. Monti (2018) Effect of a one-week spiritual retreat on dopamine and serotonin transporter binding: a preliminary study, *Religion, Brain & Behavior*, 8:3, 265-278, DOI: 10.1080/2153599X.2016.1267035
- Ariyanti, R. dan Imam, C. W. 2020. Dyslipidemia Increases the Risks For Cerebro Vascular Accident: A Case-Control Study in Panti Nirmala Hospital, Malang. *Jurnal Ilmu Kesehatan Vol.8 No. 2 June 2020*. E-ISSN : 2614-6703.
- Balboni T.A., Vanderwerker L.C., Block S.D., Paulk M.C., Lathan C.S., Peteet J.R., Prigerson H.G. Religiousness and spiritual support among advanced cancer patients and associations with end-of-life treatment preferences and quality of life. *J. Clin. Oncol.* 2007;25:555–560. doi: 10.1200/JCO.2006.07.9046
- Barker-Collo, S., Bennett, D. A., Krishnamurthi, R. V., Parmar, P., Feigin, V. L., Naghavi, M., Forouzanfar, M. H., Johnson, C. O., Nguyen, G., Mensah, G. A., Vos, T., Murray, C. J., Roth, G. A., GBD 2013 Writing Group, & GBD 2013 Stroke Panel Experts Group (2015). Sex Differences in Stroke Incidence, Prevalence, Mortality and Disability-Adjusted Life Years: Results from the Global Burden of Disease Study 2013. *Neuroepidemiology*, 45(3), 203–214. <https://doi.org/10.1159/000441103>
- Bengtson V.L., Putney N.M., Silverstein M., Harris S.C. Does religiousness increase with age? Age changes and generational differences over 35 years. *J. Sci. Study Relig.* 2015;54:363–379. doi: 10.1111/jssr.12183.
- Berger, M., Gray, J. A., & Roth, B. L. (2009). The expanded biology of serotonin. *Annual review of medicine*, 60, 355–366. <https://doi.org/10.1146/annurev.med.60.042307.110802>
- Borg J, Andree B, Soderstrom H, Farde L. The serotonin system and spiritual experiences. *Am J Psychiatry* (2003) 160(11):1965–9. doi: 10.1176/appi.ajp.160.11.1965
- Bruta, K., Vanshika, Bhasin, K. et al. The role of serotonin and diet in the prevalence of irritable bowel syndrome: a systematic review. *transl med commun* 6, 1 (2021). <https://doi.org/10.1186/s41231-020-00081-y>

- Bushnell, C. D., Chaturvedi, S., Gage, K. R., Herson, P. S., Hurn, P. D., Jiménez, M. C., Kittner, S. J., Madsen, T. E., McCullough, L. D., McDermott, M., Reeves, M. J., & Rundek, T. (2018). Sex differences in stroke: Challenges and opportunities. *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*, 38(12), 2179–2191. <https://doi.org/10.1177/0271678X18793324>
- Carhart-Harris, R. L., & Nutt, D. J. (2017). Serotonin and brain function: a tale of two receptors. *Journal of psychopharmacology (Oxford, England)*, 31(9), 1091–1120. <https://doi.org/10.1177/0269881117725915>
- Chen, K. N., He, L., Zhong, L. M., Ran, Y. Q., & Liu, Y. (2020). Meta-Analysis of Dyslipidemia Management for the Prevention of Ischemic Stroke Recurrence in China. *Frontiers in neurology*, 11, 483570. <https://doi.org/10.3389/fneur.2020.483570>
- Derkach, Kira & Bondareva, Vera & Chistyakova, Oxana & Berstein, Lev & Shpakov, Alexander. (2015). The Effect of Long-Term Intranasal Serotonin Treatment on Metabolic Parameters and Hormonal Signaling in Rats with High-Fat Diet/Low-Dose Streptozotocin-Induced Type 2 Diabetes. *International Journal of Endocrinology*. 2015. 1-17. 10.1155/2015/245459.
- Deza-Araujo YI, Baez-Lugo S, Vuilleumier P, Chocat A, Chételat G, Poisnel G, Klimecki OM; Medit-Ageing Research Group. Whole blood serotonin levels in healthy elderly are negatively associated with the functional activity of emotion-related brain regions. *Biol Psychol*. 2021 Mar;160:108051. doi: 10.1016/j.biopsycho.2021.108051. Epub 2021 Feb 13. PMID: 33592271.
- Dominik Kiser, Ben SteemerS, Igor Branchi, Judith R. Homberg. The reciprocal interaction between serotonin and social behaviour. *Neuroscience & Biobehavioral Reviews*, Volume 36, Issue 2, 2012, Pages 786-798, ISSN 0149-7634, <https://doi.org/10.1016/j.neubiorev.2011.12.009>
- Donkor E. S. (2018). Stroke in the 21st Century: A Snapshot of the Burden, Epidemiology, and Quality of Life. *Stroke research and treatment*, 2018, 3238165. <https://doi.org/10.1155/2018/3238165>
- Fiedorowicz, J. G., & Haynes, W. G. (2010). Cholesterol, mood, and vascular health: Untangling the relationship: Does low cholesterol predispose to depression and suicide, or vice versa?. *Current psychiatry*, 9(7), 17–A.
- Fischer, A. G., & Ullsperger, M. (2017). An Update on the Role of Serotonin and its Interplay with Dopamine for Reward. *Frontiers in human neuroscience*, 11, 484. <https://doi.org/10.3389/fnhum.2017.00484>

- G Anandarajah, Long R., Smith M, "Integrating Spirituality into the Family Medicine Residence Curriculum", *Academic Medicine*, Vol. 76, No.5/May 2001.
- Girijala RL, Sohrabji F, Bush RL. Sex differences in stroke: Review of current knowledge and evidence. *Vasc Med*. 2017 Apr;22(2):135-145. doi: 10.1177/1358863X16668263. Epub 2016 Nov 3. PMID: 27815349.
- Gower, A., & Tiberi, M. (2018). The Intersection of Central Dopamine System and Stroke: Potential Avenues Aiming at Enhancement of Motor Recovery. *Frontiers in synaptic neuroscience*, 10, 18. <https://doi.org/10.3389/fnsyn.2018.00018>
- Griffioen, G., Matheson, G. J., Cervenka, S., Farde, L., & Borg, J. (2018). Serotonin 5-HT1A receptor binding and self-transcendence in healthy control subjects-a replication study using Bayesian hypothesis testing. *PeerJ*, 6, e5790. <https://doi.org/10.7717/peerj.5790>
- Griffiths, R. R., Hurwitz, E. S., Davis, A. K., Johnson, M. W., & Jesse, R. (2019). Survey of subjective "God encounter experiences": Comparisons among naturally occurring experiences and those occasioned by the classic psychedelics psilocybin, LSD, ayahuasca, or DMT. *PloS one*, 14(4), e0214377. <https://doi.org/10.1371/journal.pone.0214377>
- Guilford, J.P. (1956). *Fundamental Statistics in Psychology and Education*. (p. 145). New York: McGraw Hill.
- Hatch, R. L., Burg, M. A., Naberhaus, D. S., & Hellmich, L. K. (1998). The Spiritual Involvement and Beliefs Scale: Development and testing of a new instrument. *The Journal of Family Practice*, 46(6), 476–486.
- Holloway RG, Arnold RM, Creutzfeldt CJ, Lewis EF, Lutz BJ, McCann RM, Rabinstein AA, Saposnik G, Sheth KN, Zahuranec DB, Zipfel GJ, Zorowitz RD; American Heart Association Stroke Council, Council on Cardiovascular and Stroke Nursing, and Council on Clinical Cardiology . Palliative and end-of-life care in stroke: a statement for healthcare professionals from the American Heart Association/American Stroke Association. *Stroke*. 2014; 45:1887–1916.
- H. Jovanovic, J. Lundberg, P. Karlsson, A. Cerin, T. Saijo, A. Varrone, *et al*. Sex differences in the serotonin 1A receptor and serotonin transporter binding in the human brain measured by PET *Neuroimage*, 39 (2008), pp. 1408-1419
- Imeni, M., Sabouhi, F., Abazari, P., & Iraj, B. (2018). The Effect of Spiritual Care on the Body Image of Patients Undergoing Amputation due to Type 2 Diabetes: A Randomized Clinical Trial.

Iranian journal of nursing and midwifery research, 23(4), 322–326.
https://doi.org/10.4103/ijnmr.IJNMR_113_15

- Kaiafa, G., Savopoulos, C., Kanellos, I., Mylonas, K. S., Tsikalakis, G., Tegos, T., Kakaletsis, N., & Hatzitolios, A. I. (2017). Anemia and stroke: Where do we stand?. *Acta neurologica Scandinavica*, 135(6), 596–602. <https://doi.org/10.1111/ane.12657>
- Karlsson, H., Hirvonen, J., Salminen, J. *et al.* No association between serotonin 5- HT1A receptors and spirituality among patients with major depressive disorders or healthy volunteers. *Mol Psychiatry* 16, 282–285 (2011). <https://doi.org/10.1038/mp.2009.126>
- Kasala, E. R., Bodduluru, L. N., Maneti, Y., & Thipparaboina, R. (2014). Effect of meditation on neurophysiological changes in stress mediated depression. *Complementary therapies in clinical practice*, 20(1), 74–80. <https://doi.org/10.1016/j.ctcp.2013.10.001>
- Kemenkes RI. 2013. Riset Kesehatan Dasar; RISKESDAS. Jakarta: Balitbang Kemenkes Ri
- Kemenkes RI. 2018. Klasifikasi Obesitas setelah pengukuran IMT. <http://p2ptm.kemkes.go.id/infographic-p2ptm/obesitas/klasifikasi-obesitas-setelah-pengukuran-imt>
- Kesuma, N.M.T.S., Dharmawan, D.K., Fatmawati, H. 2019. Gambaran faktor risiko dan tingkat risiko stroke iskemik berdasarkan stroke risk scorecard di RSUD Klungkung. *Intisari Sains Medis* 10(3): 720-729. DOI: 10.15562/ism.v10i3.397
- Khasana, N. I. (2015). Hubungan Kesejahteraan Spiritual Dengan Tingkat Depresi Lansia. Di Posyandu Ngudi Rahayu Tlogo Taman Tirta Kasihan Bantul Yogyakarta. Yogyakarta: Universitas Muhammadiyah Yogyakarta.
- Kim EJ, Hong J, Hwang JW. The Association between Depressive Mood and Cholesterol Levels in Korean Adolescents. *Psychiatry Investig*. 2019;16(10):737-744. doi:10.30773/pi.2019.03.24
- Kometer, M., Pokorny, T., Seifritz, E., & Volleinweider, F. X. (2015). Psilocybin-induced spiritual experiences and insightfulness are associated with synchronization of neuronal oscillations. *Psychopharmacology*, 232(19), 3663–3676. <https://doi.org/10.1007/s00213-015-4026-7>
- Korczak, D.J., Pereira, S., Koulajian, K. *et al.* Type 1 diabetes mellitus and major depressive disorder: evidence for a biological link. *Diabetologia* 54, 2483 (2011). <https://doi.org/10.1007/s00125-011-2240-3>
- Kusuma, Y., Venketasubramanian, N., Kiemas, L. S., & Misbach, J. (2009). *Burden of Stroke in Indonesia. International Journal of*

Stroke, 4(5), 379–380. doi:10.1111/j.1747-
<https://doi.org/10.1111%2Fj.1747-4949.2009.00326.x>

- Lischka, J., Schanzer, A., Baumgartner, M., de Gier, C., Greber-Platzer, S., & Zeyda, M. (2022). Tryptophan Metabolism Is Associated with BMI and Adipose Tissue Mass and Linked to Metabolic Disease in Pediatric Obesity. *Nutrients*, 14(2), 286. <https://doi.org/10.3390/nu14020286>
- Lowery, C. L., 3rd, Elliott, C., Cooper, A., Hadden, C., Sonon, R. N., Azadi, P., Williams, D. K., Marsh, J. D., Woulfe, D. S., & Kilic, F. (2017). Cigarette Smoking-Associated Alterations in Serotonin/Adrenalin Signaling Pathways of Platelets. *Journal of the American Heart Association*, 6(5), e005465. <https://doi.org/10.1161/JAHA.116.005465>
- MacIntosh, B. J., Cohen, E., Colby-Milley, J., Fang, J., Zhou, L., Ouk, M., Wu, C. Y., Shah, B. R., Lanctôt, K., Herrmann, N., Linkewich, E., Law, M., Black, S. E., Swartz, R. H., Kapral, M. K., Edwards, J. D., & Swardfager, W. (2021). Diabetes Mellitus Is Associated With Poor In-Hospital and Long-Term Outcomes in Young and Midlife Stroke Survivors. *Journal of the American Heart Association*, 10(14), e019991. <https://doi.org/10.1161/JAHA.120.019991>
- Malone, J., & Dadswell, A. (2018). The Role of Religion, Spirituality and/or Belief in Positive Ageing for Older Adults. *Geriatrics (Basel, Switzerland)*, 3(2), 28. <https://doi.org/10.3390/geriatrics3020028>
- Mason, N.L., Kuypers, K.P.C., Müller, F. et al. Me, myself, bye: regional alterations in glutamate and the experience of ego dissolution with psilocybin. *Neuropsychopharmacol.* 45, 2003–2011 (2020). <https://doi.org/10.1038/s41386-020-0718-8>
- Mboi, Nafsiah *et al.* On the road to universal health care in Indonesia, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, Volume 392, Issue 10147, 581 - 591 [https://doi.org/10.1016/S0140-6736\(18\)30595-6](https://doi.org/10.1016/S0140-6736(18)30595-6)
- Meltzer CC, Smith G, DeKosky ST, Pollock BG, Mathis CA, Moore RY, Kupfer DJ, Reynolds CF 3rd. Serotonin in aging, late-life depression, and Alzheimer's disease: the emerging role of functional imaging. *Neuropsychopharmacology*. 1998 Jun;18(6):407-30. doi: 10.1016/S0893-133X(97)00194-2. PMID: 9571651.
- Menet, R., Bernard, M., & ElAli, A. (2018). Hyperlipidemia in Stroke Pathobiology and Therapy: Insights and Perspectives. *Frontiers in physiology*, 9, 488. <https://doi.org/10.3389/fphys.2018.00488>
- Mohandas E. (2008). Neurobiology of spirituality. *Mens sana monographs*, 6(1), 63–80. <https://doi.org/10.4103/0973-1229.33001>

- Morgan DG. The dopamine and serotonin systems during aging in human and rodent brain. A brief review. *Prog Neuropsychopharmacol Biol Psychiatry*. 1987;11(2-3):153-7. doi: 10.1016/0278-5846(87)90053-4. PMID: 2819950.
- Movahed, A. H., Sabouhi, F., Mohammadpourhodki, R., Mahdavi, S., Goudarzian, S., Amerian, M., Mohtashami, M., Kheiri, M., & Imeni, M. (2020). Investigating the effect of transcendental meditation on spiritual wellbeing of Type-2 diabetic amputees: A clinical trial study. *Heliyon*, 6(11), e05567. <https://doi.org/10.1016/j.heliyon.2020.e05567>
- Mutiasari, D. (2019). Ischemic stroke: symptoms, risk factors, and prevention. *Jurnal Ilmiah Kedokteran Medika Tadulako* Vol. 6 No. 1, 60-73.
- Nam, S. B., Kim, K., Kim, B. S., Im, H. J., Lee, S. H., Kim, S. J., Kim, I. J., & Pak, K. (2018). The Effect of Obesity on the Availabilities of Dopamine and Serotonin Transporters. *Scientific reports*, 8(1), 4924. <https://doi.org/10.1038/s41598-018-22814-8>
- Nasruddin, Muhammad & Muiz, Abdul. (2020). Tinjauan Kritis Neurosains Terhadap Konsep Qalb Menurut Al-Ghazali. *Syifa al-Qulub*. 4. 70-87. 10.15575/saq.v4i2.7736.
- Newberg A. B. (2014). The neuroscientific study of spiritual practices. *Frontiers in psychology*, 5, 215. <https://doi.org/10.3389/fpsyg.2014.00215>
- Nour, M. M., Evans, L., Nutt, D., & Carhart-Harris, R. L. (2016). Ego-Dissolution and Psychedelics: Validation of the Ego-Dissolution Inventory (EDI). *Frontiers in human neuroscience*, 10, 269. <https://doi.org/10.3389/fnhum.2016.00269>
- Pan, B., Jin, X., Jun, L., Qiu, S., Zheng, Q., & Pan, M. (2019). The relationship between smoking and stroke: A meta-analysis. *Medicine*, 98(12), e14872. <https://doi.org/10.1097/MD.00000000000014872>
- Pasiak, Taufiq Fredrik. 2009. "Model Penjelasan Spiritualitas Dalam KonteksNeurosains." UIN Sunan Kalijaga.
- Peteet JR, Balboni MJ. Spirituality and religion in oncology. *CA Cancer J Clin*. 2013 Jul-Aug;63(4):280-9. doi: 10.3322/caac.21187. Epub 2013 Apr 26. PMID: 23625473.
- Poorthuis MHF, Algra AM, Algra A, Kappelle LJ, Klijn CJM. Female-and Male-Specific Risk Factors for Stroke: A Systematic Review and Meta-analysis. *JAMA Neurol*. 2017;74(1):75–81. doi:10.1001/jamaneurol.2016.3482

- Ratnawati, E. 2017. *Asuhan keperawatan gerontik*. Yogyakarta: Pustaka Baru Press.
- Robinson R (2009) Serotonin's Role in the Pancreas Revealed at Last. *PLOS Biology* 7(10): e1000227. <https://doi.org/10.1371/journal.pbio.1000227>
- Rocco, A., Afra, J., Toscano, M., Sirimarco, G., Di Clemente, L., Altieri, M., ... Di Piero, V. (2007). Acute subcortical stroke and early serotonergic modification: a IDAP study. *European Journal of Neurology*, 14(12), 1378–1382. doi:10.1111/j.1468-
- Schmalz, X., Biurrun Manresa, J., & Zhang, L. (2021). What is a Bayes factor?. *Psychological methods*, 10.1037/met0000421. Advance online publication. <https://doi.org/10.1037/met0000421>
- Seo, D., Patrick, C. J., & Kennealy, P. J. (2008). Role of Serotonin and Dopamine System Interactions in the Neurobiology of Impulsive Aggression and its Comorbidity with other Clinical Disorders. *Aggression and violent behavior*, 13(5), 383–395. <https://doi.org/10.1016/j.avb.2008.06.003>
- Simpson, D. B., Cloud, D. S., Newman, J. L., & Fuqua, D. R. (2008). Sex and Gender Differences in Religiousness and Spirituality. *Journal of Psychology and Theology*, 36(1), 42–52. doi:10.1177/009164710803600104
- S. Nishizawa, C. Benkelfat, S.N. Young, M. Leyton, S. Mzengeza, C. de Montigny, *et al.* Differences between males and females in rates of serotonin synthesis in human brain. *Proc Natl Acad Sci U S A*, 94 (1997), pp. 5308-5313
- Timora, Achirudin; Setyopranoto, Ismail; Satiti, Sekar. 2020. Pengaruh Murottal Terhadap Kadar Serotonin Plasma Dan Luaran Klinis Pasien Stroke Iskemik Akut
- Vollenweider, F. X., Vontobel, P., Hell, D., & Leenders, K. L. (1999). 5-HT modulation of dopamine release in basal ganglia in psilocybin-induced psychosis in man--a PET study with [11C]raclopride. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 20(5), 424–433. [https://doi.org/10.1016/S0893-133X\(98\)00108-0](https://doi.org/10.1016/S0893-133X(98)00108-0)
- Walton, K. G., Pugh, N. D., Gelderloos, P., & Macrae, P. (1995). Stress reduction and preventing hypertension: preliminary support for a psychoneuroendocrine mechanism. *Journal of alternative and complementary medicine (New York, N.Y.)*, 1(3), 263–283. <https://doi.org/10.1089/acm.1995.1.263>
- Young S. N. (2007). How to increase serotonin in the human brain without drugs. *Journal of psychiatry & neuroscience : JPN*, 32(6), 394–399.

Yousufuddin, M., & Young, N. (2019). Aging and ischemic stroke. *Aging*, 11(9), 2542–2544. <https://doi.org/10.18632/aging.101931>

Zaid, Y., Lahlimi, Q., Khalki, L., Zaid, N., Oudghiri, M., Cheikh, A., Naya, A., Merhi, Y., & Guessous, F. (2022). Aspirin use Reduces Platelet Hyperreactivity and Degranulation in COVID-19 Patients. *Seminars in thrombosis and hemostasis*, 10.1055/s-0042-1744281. Advance online publication. <https://doi.org/10.1055/s-0042-1744281>

Zhang, Q., Shan, K. S., O'Sullivan, C., & Nace, T. (2020). Iron Deficiency Anemia: An Unexpected Cause of an Acute Occipital Lobe Stroke in an Otherwise Healthy Young Woman. *Cureus*, 12(4), e7852. <https://doi.org/10.7759/cureus.7852>