

## DAFTAR PUSTAKA

- Abdulrahim, A.H., Fulton, R.L., Sucharew, H., Kleindorfer, D., Khatri, P. 2014. National institutes of health stroke scale item profiles as predictor of patient outcome: external validation on independent trial data. *Stroke*. 46(2):395-400.
- Abdurrochman, A., Wulandari, R.D., Fatimah, N., 2016. The Comparison of Classical Music, Relaxation Music and The Qur'anic Recital: an AEP Study the Comparison of Classical Music, Relaxation Music and The Qur'anic Recital: an AEP Study. *Res gate*.
- Altenmüller, E. O., Bangert, M.W., Liebert, G., Gruhn, W. 1999. Mozart in Us: How the brain processes music. The Seventeenth Annual Symposium on Medical Problems of Musicians and Dancers. *Aspen*.
- Appleros, P., Stegmayr, B., Terent, A. 2009. Sex Differences in Stroke Epidemiology: A Systematic Review. *Stroke*. 49(4):1082-1090.
- Azmitia, P.M., Shemer, A.V., Caruso, J., Molino, L. *et al.*, 2006. Role of High Affinity Serotonin Receptors in Neuronal Growth. *Annals New York Academy Of Sciences*.
- Bella, S.D., Peretz, I., Rousseau, L., Gosselin, N. 2001. A developmental study of the affective value of tempo and mode in music. *Cognition*. B1-B10.
- Berends, A.C., Luiten, P.G.M., Nyakas, C. 2005. A Review of the Neuroprotective Properties of the 5-HT<sub>1A</sub> Receptor Agonist Repinotan HCl (BAY x 3702) in Ischemic Stroke. *CNS Drug Reviews*. Vol. 11, No. 4, pp. 379–402.
- Berger, M., Gray, J.A., Roth, B.L., 2009. The expanded biology of serotonin. *Annu Rev Med*. 60: 355–366.
- Bernardi, L., Pora, C., Sleight, P. 2006. Cardiovascular, cerebrovascular and respiratory changes induced by different types of music in musicians and non-musicians: the importance of silence. *Heart*, 92, 445-452.
- Braz, J.M., Basbaum, A.I., 2008. Genetically expressed transneuronal tracer reveals direct and indirect serotonergic descending control circuits. *J. Comp. Neurol*. 507:1990–2003.
- Caplan, L.R., Liebeskind, D.S., 2016. Pathology Anatomy and Pathophysiology of Stroke, dalam Caplan's Stroke a clinical approach Fifth, Cambridge: Cambridge, hal. 18–49.
- Carr, D.B., Cooper, D.C., Ulrich, S.L., 2002. Serotonin receptor activation inhibits sodium current and dendritic excitability in prefrontal cortex via protein kinase C-dependent mechanism, *J Neurosci*, 22: 6846-6855.
- Carrasco, G.A., Van de Kar, L.D., 2003. Neuroendocrine pharmacology of stress. *Eur. J. Pharmacol.*; 463:235–72.
- Chaudhury, S., Nag, T.C., Jain, S. and Wadhwa, S., 2013. Role of sound stimulation in reprogramming brain connectivity. *J. Biosci*. 38: 605–614.
- Codd, E.E., McAllister, T.W., Walker, R.F., 1988. Factors affecting serotonin uptake into human platelets. *Psychopharmacology*, 95:180-184.
- Corso G, Bottacchi E, Tosi P, Caligiana L, Lia C, Morosini MV, *et al.*, 2014. Outcome Predictors in First-Ever Ischemic Stroke Patients: A Population-Based Study. *Int Sch Res Not.*;2014(12).

- Cozzolino, O., Marchese, M., Trovato, M., Pracucci, E., Ratto, G.M., *et al.*, 2018. Understanding Spreading Depression from Headache to Sudden Unexpected Death. *Front. Neurol.* 9:19.
- Darabinia M, Gorji AMH, Afazali MA. 2017. The effect of the Quran recitation on mental health of the Iranian medical staff. *J Nurs Educ and Practice.* 7(11):30–6.
- Deb, P., Sharma, S., Hassan, K.M., 2010. Pathophysiologic mechanisms of acute ischemic stroke: an overview with emphasis on therapeutic significance beyond thrombolysis. *Pathophysiology*, 17(3): 197–218.
- Dunn, C.R., Martin-schild, S., 2015. Mitigating diabetes associated ischemic stroke risk: High-risk patient identification. *J Diabetes Complications*, 29(5):615–6.
- El Ali, A., Doeppner, T.R., Zechariah, A., Hermann, D., 2011. Increased blood-brain barrier permeability and brain edema after focal cerebral ischemia induced by hyperlipidemia: role of lipid peroxidation and calpain-1/2, matrix metalloprotease-2/9, and Rho A overactivation. *Stroke*, 42; 3238–3244.
- Elias, A.N., Guich, S., Wilson, A.F. 2000. Ketosis with enhanced GABAergic tone promotes physiological changes in transcendental meditation. *Med Hypotheses.* 54:660-662.
- Esteve, J.M., Launay, J.M., Kellermann, O., Maroteaux, L., 2007. Functions of serotonin in hypoxic pulmonary vascular remodeling. *Cell. Biochem. Biophys.* 47:33–44.
- Everink, I.H.J., Haastregt, J.C.M., Hoof, S.J.M., Schols, J.M., Kempen, G.I., 2016. Factors influencing home discharge after inpatient rehabilitation of older patients: a systematic review. *BMC Geriatrics.* 16:5
- Evers, S., Suhr, B. 2000. Changes of neurotransmitter serotonin but not hormones during short time music perception. *European Archives of Psychiatry and Clinical Neuroscience.* 250(3):144-7.
- Faradisi, F., 2012. Efektivitas Terapi Murotal dan Terapi Musik Klasik terhadap Penurunan Tingkat Kecemasan Pasien Pra Operasi di Pekalongan. *Jurnal Ilmiah Kesehatan*, Vol V No. 2.
- Feigin, V.L., Bo, N., George, A. M., 2017. Global Burden of Stroke: Stroke compendium. *CircResaha Journal.*
- Feigin, V.L., Norrving, B., Mensah, G.A., 2017. Global burden of stroke. *Circ Res*;120;439-48.
- Feng, C., Fang, M., Liu, X., 2014. The Neurobiological Pathogenesis of Poststroke Depression. *Sci World J*, 1–8.
- Franke, L., Schmidtman, M., Riedl, A., Voort, I.V.D., Uebelhack, R., *et al.*, 2010. Serotonin transporter activity and serotonin concentration in platelets of patients with irritable bowel syndrome: effect of gender. *J. Gastroenterol.*, 45 (4): 389–398.
- Fukui, H., Toyoshima, K. 2008. Music facilitate the neurogenesis, regeneration and repair of neurons. *Medical Hypotheses.* 71, 765-769.

- Gao, H.Q., Zhu, H.Y., Zhang, Y.Q., Wang, L.X., 2008. Reduction of cerebrospinal fluid and plasma serotonin in patients with post-stroke depression: A preliminary report. *Clin Invest Med.*; 31 (6): E351-E356.
- Gershon, M.D., and Tack, J., 2007. The serotonin signaling system: from basic understanding to drug development for functional GI disorders. *Gastroenterology*; 132:397–414.
- Ghiasi, A. And Keramat, A., 2018. The Effect of Listening to Holy Quran Recitation on Anxiety: A Systematic Review. *Iranian Journal of Nursing and Midwifery Research*.
- Giaquinto, S., Sarno, S., Armi, V.D., Spiridigliozzi, C., 2009. Religious and Spiritual Beliefs in Stroke Rehabilitation. *Clin Expr Hypertention*, 32:329–34.
- Giaquinto, S., Spiridigliozzi, C., Caracciolo, B., 2015. Can Faith Protect From Emotional Distress After Stroke? *AHA/ASA J.*; 38:993–7.
- Go, S., 2015. Posterior Circulation Ischemic Stroke. *Science of Medicine, Emergency Medicine*; 112(3):192-196.
- Goldstein, L.B., Bushnell, C.D., Adams, R.J., Appel, L.J., Braun, L.T., *et al.*, 2011. Guidelines for the primary prevention of stroke: A Guideline for Healthcare Professionals from the American Heart Association/American Stroke Association. *Stroke*, 42(2):517–84.
- Grube, M.M., Koennecke, H.C., Walter, G., Meisel, A., Sobesky, J., Nolte, C.H., *et al.*, 2013. Influence of Acute Complications on Outcome 3 Months after Ischemic Stroke. *PLoS One*; 8(9):1–8.
- Guilluy, C., Rolli-Derkinderen, M., Tharaux, P.L., *et al.*, 2007. Transglutaminase-dependent RhoA activation and depletion by serotonin in vascular smooth muscle cells. *J. Biol. Chem*; 282:2918–28.
- Guo, Y., Li, P., Guo, Q., Shang, K., Yan, D., *et al.*, 2013. Pathophysiology and Biomarkers in Acute Ischemic Stroke—A Review. *Tropical Journal of Pharmaceutical Research*.
- Harmon, L., Troester, K., Pickwick, T., Pelosi, G. 2008. The effects of different Types of Music on Cognitive Abilities. *Journal of Undergraduate Psychological Research*, 3, 41-44.
- Hedlund, P.B., Kelly, L., Mazur, C., *et al.*, 2004. 8-OH-DPAT acts on both 5-HT<sub>1A</sub> and 5-HT<sub>7</sub> receptors to induce hypothermia in rodents. *Eur. J. Pharmacol*; 487:125–32. [PubMed: 15033384]
- Hinkle, J.L., 2014. The NIHSS for International Neuroscience Nurses. *J Neurol Neurosurg Nurs*, 3(3):129–35.
- Huron, D. 2003. Is music an evolutionary adaptation? In the cognitive Neuroscience of music (pp. 57-75). New York: Oxford University Press.
- Jamal, O., Aneni, E.C., Shaharyar, S., Ali, S.S., Parris, D., *et al.*, 2014. Cigarette smoking worsens systemic inflammation in persons with metabolic syndrome. *Diabetol Metab Syndr*; 79(6):4–10.
- Jang, S.Y., Shin, Y., Kim, D.Y., Sohn, M.K., Lee, J., *et al.*, 2015. Effect of obesity on functional outcomes at 6 months post-stroke among elderly Koreans : a prospective multicentre study. *BMJ Open*, (5):1–7.

- Jann, M.W., Slade, J.H., 2007. Antidepressant agents for the treatment of chronic pain and depression. *Pharmacotherapy*; 27:1571–87.
- Jia, Q., Zhao, X., Wang, C., Wang, Y., Yan, Y., *et al.*, 2011. Diabetes and poor outcomes within 6 months after acute ischemic stroke: The China national stroke registry. *Stroke*, 42(10):2758–62.
- Kamel, H., Iadecola C.M., 2013. Brain-Immune Interactions and Ischemic Stroke: Clinical Implications. *Arch Neurol*, 69(5):576–81.
- Kaumann, A.J., Levy, F.O., 2006. 5-hydroxytryptamine receptors in the human cardiovascular system. *Pharmacol. Ther*; 111:674–706.
- Kereveur, A., Callebort, J., Humbert, M., *et al.*, 2000. High plasma serotonin levels in primary pulmonary hypertension. Effect of long-term epoprostenol (prostacyclin) therapy. *Arterioscler. Thromb. Vasc. Biol*; 20:2233–39. [PubMed: 11031209]
- Khan, N., Noraziah, A., Alla, A., Nubli, M., 2010. Mental and Spiritual Relaxation by Recitation of the Holy Quran. *Int Conf Comput Res andv Dev*. 863–7.
- Khoury, J.C., Kleindorfer, D., Alwell, K., Moomaw, C.J., Woo, D., Adeoye, O., *et al.*, 2013. Diabetes Mellitus A risk factor for ischemic stroke in a arge biracial population. *Stroke*. 44:1500-1504.
- Kim, J.T., Yoo, S.H., Kwon, J.H., Kwon, S.U., Kim, J.S., 2006. Subtyping of ischemic stroke based on vascular imaging: analysis of 1.167 acute, consecutive patients. *Journal of Clinical Neurology*, 2 (4), 225-230.
- Kjaer, T.W., Bertelsen, C., Piccini, P., Brooks, D., Alving, J., Lou, H.C. 2002. Increased dopamin tone during meditation-induced change of consiousness. *Brain Res Cogn Brain*. 13(2):255-259.
- Kodumuri, N.R., Davis, S.C., *et al.*, 2016. “The association of insular stroke with lesion volume,” *NeuroImage: Clinical*, vol. 11, pp. 41–45.
- Kumral, E., Evyapan, D., Gökçay, F., Karaman, B., Orman, M., 2014. Association of baseline dyslipidemia with stroke recurrence within five-years after ischemic stroke. *Int J Stroke*, 9(A100):119–26.
- Kusuma, Y., Venketasubramanian, N., Kiemas, L.S., Misbach, J., 2009. Burden of stroke in Indonesia. *World Stroke Organization International Journal of Stroke* Vol 4: 379-380.
- Kwakkkel, G., Veerbeek, J.M., Wegen, E.E.H., Nijland, R., Wel, B.C., *et al.*, 2010. Predictive value of the NIHSS for ADL outcome after ischemic hemispheric stroke: Does timing of early assessment matter? *J Neurol Sci*, 294(1-2):57–61.
- Lakhan, S.E., Kirchgessner, A., Hofer, M., 2009. Inflammatory mechanisms in ischemic stroke: therapeutic approaches. *Journal of Translational Medicine*, vol. 7, article 97.
- Lam, D.D., Heisler, L.K., 2007. Serotonin and energy balance: molecular mechanisms and implications for type 2 diabetes. *Expert Rev. Mol. Med*; 9:1–24
- Lesurtel, M., Graf, R., Aleil, B., *et al.*, 2006. Platelet-derived serotonin mediates liver regeneration. *Science*; 312:104–7.

- Li, M.S., Cheng, F.C., Yeh, H.Z., Lio, T.Y., Liu, J.H., 2000. De-termination of plasmaserotonin and 5-Hydroxyindoleacetic acid in healthysubjects and cancer patients. *Clin Chem*;46:422-3.
- Liu, X., Lu,Y.,Wang,B., Zhao, G., Yan,Y., Xu, D., 2007. Prediction of functional outcome of ischemic stroke patients in northwest china. *clinicalneurology and neurosurgery*, 109, 571-577.
- Loannides, K., Tadi, P., Naqvi, I.A., 2020. Cerebellar Infarct. In: StstPearls. Treasure Island(FL): StatPearls Publishing.
- Loubinoux, I., Kronenberg, G., Endres, M., Schumann, P., 2012. Post-stroke depression : mechanisms, translation and therapy Animal models of PSD The biological underpinnings of PSD. *JcellMolMed*, 16(9):1961–9.
- Lyden, P. 2017. Using the National Institutes of Health Stroke Scale A Cautionary Tale. *Stroke*, 48:513-519.
- Mainka, S., Wissel, J., Völler, H., dan Evers, S., 2018. The Use of Rhythmic Auditory Stimulation to Optimize Treadmill Training for Stroke Patients: A Randomized Controlled Trial. *Front. Neurol.*, 9:755.
- Manabe, Y., Kono, S., Tanaka, T., Narai, H., Omori, N., 2009. High blood pressure in acute ischemic stroke and clinical outcome. *Neurol Int*, 1(1):1–4.
- Maneesri, S., Weera, S., Saengjaroenthama, C., Pleumsamranc, J., Srikiatkachornd, A., 2010. Effect of serotonin depletion on cortical spreading depression evoked cerebrovascular changes. *Asian Biomedicine*, Vol. 4 No. 5: 731-738.
- Markidan, J., Cole, J.W., Cronin, C., Merino, J.G., Phipps, M.S., Wozniak, M.A., Kittner, S.J., 2018. Smoking and Risk of Ischemic Stroke in Young Men. *Stroke*. 49:1276-1278.
- Meltzer, H.Y., Lowy, M.T., 1987. Serotonin in hypothesis of de-pression. In: Meltzer HY, ed. Psychopharmacology: the third generation of progress. New York, NY: Raven Press;513-26.
- Mengod, G., Vilaro, MT., Cortes, R., *et al.*, 2007. Chemical neuroanatomy of 5-HT receptor subtypes in the mammalian brain. In: Roth, BL., editor. The Serotonin Receptors: From Molecular Pharmacology to Human Therapeutics. Totowa, NJ: Humana; p. 319-64
- Menon, V., Levitin, D. 2005. The rewards of music listening: Response and physiological connectivity of mesolimbic system. *Neuroimage* 28, 175-184.
- Mirzaeian, R., Shirvani, M., Alidosti, M., & Babaei-Heydarabadi, A. (2017). The effect of Holy Quran recitation sound on vital signs and arterial oxygen pressure of unconscious patients hospitalized in ICU. *Indo Am. J. P. Sci*, 4(5), 1254–1259.
- Mortensen, J.K., dan Andersen, G., 2018. Potential Role of Selective Serotonin Reuptake Inhibitors in Improving Functional Outcome after Stroke. *CNS Drugs*, 32:895–900.
- Neumeister A, Praschak-Rieder N, Hesselmann B, *et al.*, 1998. Effects of tryptophan depletion in drug-free de-pressed patients who responded to total sleep depriva-tion. *Arch Gen Psychiatry*;55:167-72



- Newberg,A.B., Iversen, J. 2003. The neural basis of the complex mental task of meditation: neurotransmitter and neurochemical considerations. *Med Hypotheses*. 61(2):282-291.
- O'Donnell, M.J., Xavier, D., Liu *et al.*, 2010. Risk Factors for ischemic and intracerebral haemorrhagic stroke in 22 countries (the interstroke study): a case control study. *Lancet*; 376:112-23.
- Okada, K., Iwahara, S., Kusama, Y., Atarashi, H., 2011. Spiritual Activation in Very Elderly Individuals Assessed as Heart Rate Variability and Plasma IL/10/IL-6 Ratios; 299–303.
- Olivato, S.,Nizzoli, S.,Cavazzuti, M., Casoni, F., Nichelli, P. F., *et al.*, 2016. e-NIHSS: an Expanded National Institutes of Health Stroke Scale Weighted for Anterior and Posterior Circulation Strokes. *Journal of Stroke and Cerebrovascular Disease*, Vol. 25 (12):2953-2957.
- Owolabi, M.O., 2011. Impact of stroke on health-related quality of life in diverse cultures: the Berlin-Ibadan multicenter international study. *Health Qual Life Outcomes*, 9:81.
- Peruche, B., Backhau, C., Prehn, J.H.M., Krieglstein, J., 1994. Protective effects of 5-HT1A receptor agonists against neuronal damage demonstrated in vivo and in vitro. *Journal of Neural Transmission - Parkinson's Disease and Dementia* Section vol.8 p.73-83.
- Prehn, J.H.M., Backhau, C., Karkoutly, C., Nuglisch, J., Peruche, B., *et al.*, 1991. Neuroprotective properties of 5HT1A receptor agonist in rodent models of focal and global cerebral ischemia. *European Journal of Pharmacology*, 203: 213-222.
- Putra, P.S., Gumilar, R., Kusuma, S.R., Purnomo, H., dan Basumerda, C, 2018. The effect of Quran murottal's audio on short term memory. *EDP Sciences*.
- Rahman, F.S., Yahya, N., Mohammad, N., Izaham, A., Wan, M., 2018. The Comparative Effects of Listening to Prayer Recitation and Music Therapy Intraoperatively on Postoperative Pain. *IMJM*, Volume 17 No. 2.
- Rang, H.P., Dale, M.M., Ritter, J.M., Flower, R.J., ed., 2007. *Pharmacology*. 6th ed. New York, NY: Churchill Livingston;189-92.
- Raymond, J.R., Mukhin, Y.V., Gelasco, A., Turner, J., Collinsworth, G., *et al.*, 2001. Multiplicity of serotonin receptor signal transduction. *Pharmacol. Ther.* 92: 179-202.
- Rocco, A., Afrab, J., Toscanoa, M., Sirimarcoa, G., Clementea, D.L., *et al.*, 2007. Acute subcortical stroke and early serotonergic modification: a IDAP study. *European Journal of Neurology*, 14: 1378–1382.
- Roper, S.D., 2006. Cell communication in taste buds. *Cell. Mol. Life Sci*; 63:1494–500.
- Roth, B.L., 1994. Multiple serotonin receptors: clinical and experimental aspects. *Ann. Clin. Psychiatry*; 6:67–78.
- Roth, B.L., editor, 2007. *The Serotonin Receptors: From Molecular Pharmacology to Human Therapeutics*. Totowa, NJ: Humana; 3.
- Roth, B.L., Xia, Z., 2004. Molecular and cellular mechanisms for the polarized sorting of serotonin receptors: relevance for genesis and treatment of psychosis. *Crit. Rev. Neurobiol*; 16:229–36.

- Sacco, R.L., Kasner, S.E., Broderick, J.P., Caplan, L.R., 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*. 44:2064-2089
- Salazar, P., Río, J.D., Frechilla, D., 2007. Neuroprotective effects of serotonin 5-HT<sub>1A</sub> receptor activation against ischemic cell damage in gerbil hippocampus: Involvement of NMDA receptor NR1 subunit and BDNF. *Brain research*, 1199: 159–166.
- Salihovic, D., Smajlovic, D., Sinanovic, O., Kojic, B., 2010. Sex differences in patients with acute ischemic stroke in Tuzla region, Bosnia and Herzegovina. *Bosnian Journal of Basic Medical Sciences*. 10 (2): 116-120.
- Salimpoor, V., Benovoy, M., Larcher, K. 2011. Anatomically distinct dopamine release during anticipation and experience of peak emotion to music. *Nat Neurosci*. 14, 257–262.
- Santalucia, P., Pezzella, F.R., Sessa, M., Torgano, G., Anticoli, S., *et al.*, 2013. Sex differences in clinical presentation, severity and outcome of stroke: Results from a hospital-based registry. *Eur J Intern Med*, 24(2):167–71.
- Sarikaya, H., Elmas, F., Arnold, M., Georgiadis, D., Baumgartner, R.W., 2011. Intravenous Thrombolysis; 23, 30–3.
- Sastroasmoro, S., dan Sofyan, I., 2011. Dasar-dasar metodologi penelitian klinis edisi ke-4, Yogyakarta: Sagung Seto.
- Schiemanck, S.K., Kwakkel, G., 2006. Predictive value of Ischemic lesion Volume Assessed with Magnetic Resonance Imaging For Neurological Defisit and Fungsional Outcome Poststroke: A Critical Review of the Literature. *Am Soc Neurorehabilitation*. 20(4):492–50.
- Seler, D.M. dan Pivac, N., 2011. Serotonin: review. *Periodicum Biologorum*, Volume 113 (1): 29–41.
- Setyopranoto, I., 2011. Stroke: Gejala dan Penatalaksanaan. *Cermin Dunia Kedokteran* ed 185, 38(4): 247-250.
- Shah, S., 2002. Stroke Pathophysiology. *Foundation For Education and Research In Neurological Emergencies*, hal 5.
- Shekha, M.S., Hassan, A.O., Othman, S., 2013. Effects Of Quran Listening And Music On Electroencephalogram Brain Waves. *Egypt. J. Exp. Biol. (Zool.)*, 9(1): 119 – 121.
- Shimizu, H., Kawarai, T., Saji, N., Tadano, M., Yasushi, K., Tabuchi, M., 2009. Re-evaluating of clinical features and risk factors of acute ischemic stroke in Japanese Longevity Society. *Kobe J. Med. Sci.* 5(6), E132-E139.
- Sommer, C., 2004. Serotonin in pain and analgesia: actions in the periphery. *Mol. Neurobiol*; 30:117–25.
- Strassman, R.J., Clifford, R. 1994. Dose response study of N,N-dimethyltryptamine in human. I: Endocrine, autonomic and cardiovascular effects. *Arch Gen Psychiatr*. 51:85-97.
- Sugiyono, 2011. Metode Penelitian Kuantitatif, Kualitatif dan R&D. Bandung: Alfabeta.
- Sumarji, Tugasworo, D., Husni, A., 2018. Pengaruh Murottal Al Qur'an Terhadap Tingkat Ansietas Depresi, Perubahan Kadar Interleukin 6, Dan Keluaran

Klinis Neurologis Pada Pasien Stroke Iskemik Akut, Thesis: Universitas Diponegoro Semarang.

- Tartaro, J., Luecken, L.J., Gunn, H.E., 2015. Exploring Heart and Soul: Effects of Religiosity / Spirituality and Gender on Blood Pressure and Cortisol Stress Responses. *J Health Psychol* [Internet];10:753–66. Available from: [www.sagepublications.com](http://www.sagepublications.com)
- Thomas, A.G, Vornov, J.J., Olkowski, J.L., Merion, A.T., Slusher, B.S. 2000. N-acetylated  $\alpha$ -linked acidic dipeptidase converts N-acetylaspartylglutamate from a neuroprotectant to a neurotoxin. *J Pharmacol Exp Ther.* 295:16-22.
- Torup, L., Moller, A., Sager T.N., Diemer, N.H., 2000. Neuroprotective effect of 8-OH-DPAT in global cerebral ischemia assessed by stereological cell counting. *Eur J Pharmacol*, 395:137–141.
- Vasefi, M.S., Kruk, J.S., Heikkila, J.J., Beazely, M.A., 2013. 5-Hydroxytryptamine type 7 receptor neuroprotection againsts NMDA-Induced excitotoxicity is PDGF $\beta$  receptor dependent. *J. Neurochem*, 125: 26-36.
- Walton, K.G., Pugh, N.D., Gelderloos, P., Macrae, P. 1995. Stress reduction and preventing hypertension: preliminary support for psychoneuroendocrine mechanism. *J Altern Complement Med.* 1:263.
- Wardlaw, J.M., 2001. Radiology of Stroke. *J Neurol Neurosurg Psychiatry.* 70 (suppl):7-i11.
- Xing, C., Arai, K., Lo, E.H., Hommel, M., 2012. Pathophysiologic cascades in ischemic stroke. *Int J Stroke.* 7(5): 378–385.
- Xu, X., Jiang, Y., 2014. The Yin and Yang of Innate Immunity in Stroke. *Biomed Res Int.*
- Yoshida, M., Sasa, M., Takaori, S. 1984. Serotonin-mediated inhibition from dorsal raphe neurons nucleus of neurons in dorsal lateral geniculate and thalamic reticular nuclei. *Brain res.* 290:95-105.
- Yoshimoto, K., Namera, A., Arima, Y., Nagao, T., Saji, H., *et al.*, 2014. Experimental studies of remarkable monoamine releases and neural resistance to the transient ischemia and reperfusion. *Pathophysiology*, 21:309–316.
- Young, F.B., Weir, C.J., Lees, K.R., 2005. Comparison of the National Institutes of Health Stroke Scale With Disability Outcome Measures in Acute Stroke Trials. *Stroke*, 36 (10): 2187–93.
- Yubero-Lahoz, S., Robledo, P., Farre, M., Torre, D.L.R., 2013. Platelet SERT as a peripheral biomarker of serotonergic neurotransmission in the central nervous system. *Curr Med Chem*, 20:1382–1396 .
- Zaleska, M.M., Mercado, M.L., Chavez, J., Feuerstein, G., Pangalos, M., *et al.*, 2008. The development of stroke therapeutics: Promising mechanisms and translational challenges. *Neuropharmacology*, 56: 329–341
- Zhou, H., Wang, J., Jiang J., Irina, G, Stavrovskayaazou, *et al.*, 2014. N-Acetyl-Serotonin Offers Neuroprotection through Inhibiting Mitochondrial Death Pathways and Autophagic Activation in Experimental Models of Ischemic Injury. *The Journal of Neuroscience.* 34(8): 2967–2978.
- Zhu, S., McClure, L.A., Lau, H., Romero, J.R., White, C.L., Babikian, V., Nguyen, T., Benavente, O.R., Kase, C.S., Pikula, A., 2015. Recurrent vascular events



in lacunar stroke patients with metabolik syndromme and or diabetes.  
*Neurology*;85:935-941.

Zulkurnaini, N. A., Kadir, R. S. S. A., Murat, Z. H., & Isa, R. M. 2012. The comparison between listening to Al-Quran and listening to classical music on the brainwave signal for the alpha band. 3rd International Conference on Intelligent Systems Modelling and Simulation. ISMS.181–186.