

DAFTAR PUSTAKA

- Adnil E. 2013. Pendekatan Psikoneuro Imunologi. Dalam: *Psikoneuroimunologi Dasar*, Edisi 5, Padang, h:153-183.
- Aho K, Harmsen P, Hatano S, Marquardsen J, Smirnov VE & Strasser T. 1980. Cerebrovascular disease in the community: results of a WHO collaborative study. *Bull World Health Organ*, 58, pp: 113–130.
- Ahn DH, Lee YJ, Jeong JH, Kim YR & Park JB. 2015. The effect of post-stroke depression on rehabilitation outcome and the impact of caregiver type as a factor of post-stroke depression. *Ann Rehabil Med*, 39(1), pp: 74-80.
- American Psychiatric Association. 2013. Diagnostic and statistical manual of mental disorders – DSM-V. Washington DC: *Am Psychiatric*, pp:155-188.
- Autry AE, Monteggia LM. 2012. *Brain derived neurotrophic factor* and neuropsychiatric disorder. *Pharmacology Rev*, 64, pp: 238-258.
- Ayerbe L, Ayis, S, Wolfe, C. D. & Rudd, A. G. 2013. Natural history, predictors and outcomes of depression after stroke: systematic review and meta-analysis. *Br. J. Psychiatry* 202, pp:14–21.
- Ayerbe L (eds). 2015. Mental consequence of stroke. In: *Management of Post-Stroke Complications*. Switzerland, Springer, pp: 347-358.
- Berretta A, Tzeng YC, & Nclarkson A. 2014. Post-stroke recovery: the role of activity-dependent release of brain-derived neurotrophic factor expert Rev. *Neurother*. Vol 14(11), pp: 1335–1344 .
- Brodsky H, A. Withall, A. Altendorf, & Sachdev PS. 2007. Rates of depression at 3 and 15 months poststroke and their relationship with cognitive decline: the Sydney stroke study, *American Journal of Geriatric Psychiatry*, vol.15, no.6, pp: 477–86.

- Cameron S. Mang, Kristin L. Campbell, Colin J.D. Ross & Lara A. Boyd. 2013. Promoting neuroplasticity for motor rehabilitation after stroke: considering the effects of aerobic exercise and genetic variation on brain-derived neurotrophic factor. *Physical Therapy Journal*, vol. 93, pp: 1707–16.
- Carota A, Paolucci S. 2007. Depression after stroke; In *The Behavioral Cognitive Neurology of Stroke*. Cambridge University Press, pp: 548-70
- Carota A, Bogousslavsky J. 2012. Mood disorders after Stroke; In *Manifestations of stroke*. Editors, M. Paciaroni, Kerger, pp:70-73
- Changjuan W, Zhang F, Chen L, Ma X, Zhang N & Hao J. 2015. Factors associated with post-stroke depression and fatigue: lesion location and coping styles. *J Neurology*. Vol; 263(2), pp: 269–276
- Chen ai, Xiong LJ, Tong Y & Mao M. 2013. The neuroprotective roles of BDNF in hypoxic ischemic brain injury (Review). *Biomedical Reports* 1, pp:167-176.
- Cojocaru GR, Wagner AP, Stanculescu EC, Babadan L & Buga AM. 2013. Post-stroke depression and the aging brain. *Journal of Molecular Psychiatry*, 1:14
- Danijela VS & Arsovska A. 2018. Prevalence and predictors of depression after stroke - results from a prospective study. *Macedonian Journal of Medical Sciences*, pp : 1857-9655
- De Ryck A, Brouns R, Geurden M, Elseviers M, Deyn P & Engelborghs S. 2014. Risk factors for poststroke depression: identification of inconsistencies based on a systematic review. *Journal of Geriatric Psychiatry and Neurology*, pp: 1-12.
- Dewi CM, Darliana D. 2017. Family support and depression of post-stroke patients. *Idea Nursing Journal*; Vol. VIII No. 3, pp: 2580 – 2445.
- Drevets W.C, Price JL, & Furey ML. 2008. Brain structural and functional abnormalities in mood disorders: implications for neurocircuitry models of depression. *Brain Structure and Function*, vol. 213, no. 1-2, pp: 93–118.

- Eisch A.J & D. Petrik.2012. Depression and hippocampal neurogenesis: a road to remission? *Science*, vol.338, no.6103, pp: 72–75.
- Feng C, Fang M & Liu XY. 2014. The Neurobiological pathogenesis of poststroke depression, *The Scientific World Journal*, Article ID: 521349.
- Hackett ML, Pickles K. 2014. Frequency of depression after stroke: an updated systematic review and meta-analysis of observational studies. *Int. J. Stroke* Vol.9, pp:1017–25.
- Hashimoto K. 2009. Emerging role of glutamate in the pathophysiology of major depressive disorder, *Brain Research Reviews*, vol.61, no. 2, pp:105–23.
- Hayhow BD, Brockman S & Sergio E. Starkstein (eds). 2014. Post stroke depression. In : *Behavioral Coequeunces of Stroke*. Springer Science, New York. pp: 227-241.
- Herbert J, Goodyer IM & Grossman AB. 2006. Do corticosteroids damage the brain. *Journal of Neuroendocrinology*, vol.18(6), pp: 393–411.
- Janneke M, Hafsteinsdóttir TB, Lindeman E, Ettema R & Grobbee DE. 2013. In-hospital risk prediction for post-stroke depression development and validation of the post-stroke depression prediction scale. *Stroke*, Vol. 44. pp: 2441-45.
- Jimenez I, Sobrino T, Rodríguez M, Pouso M, Cristobo I, Sabucedo M. *et al* . 2009. High serum levels of leptin are associated with post-stroke depression. *Psychological Medicine*;39, pp. 1201–1209.
- Gardner DG and Shoback D.2007. Glucocorticoid & Adrenal Androgen. In; Greenspan's basic and clinical endocrinology, 8th ed. Lange Medical books/ Mc.Graw Hill, New york.
- Gyagenda JO, Edward D, Raymond O, Mark K, Martha S, Kathyleen S & Elly K. 2015. Post-stroke depression among stroke survivors attending two hospitals in Kampala Uganda. *African Health Sciences*. Vol.15(4).

- Joel S, Alexa B, Jayandra J.H., Jonathan R, Sudha S & Erin C.D.2016. Factors associated with new-onset depression after stroke. *J Neuropsychiatry Clin Neurosci*, Vol. 28, pp: 286–291.
- Kimpton J. 2012. The *Brain derived neurotrophic factor* and influences of stress in depression. *Psychiatria Danubina*, Vol: 24, Suppl.1, pp: 169–71.
- Kolband B, Whishaw IQ. 2009. *Fundamentals of Human Neuropsychology*. Sixth edition. University of Lethbridge, pp: 775-785.
- Kubera M , E. Obuchowicz, L. Goehler, J. Brzeszcz, & M. Maes.2011. Animal models, psychosocial stress-induced (neuro)inflammation, apoptosis and reduced neurogenesis are associated to the onset of depression, *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, vol.35, no.3, pp: 744–59.
- Kumar H, Choi DK. 2015. Hypoxia inducible factor pathway and physiological adaptation: a cell survival pathway. *Mediators of Inflammation Journals*, Vol. 2015, pp: 1-10.
- Kunugi H, Hiroaki H, Naoki A & Numakawa T. 2010. Interface between hypothalamic-pituitary-adrenal axis and brain-derived neurotrophic factor in depression. *Psychiatry and Clinical Neurosciences*, vol. 64, pp: 447–459.
- Ladecola C, Anrather J. 2011. The immunology of stroke: from mechanisms to translation. *Nature Medicine*, vol.17(7), pp: 796–808.
- Lazzaro VD, Profice P, Pilato F, Dileone M ,L. Florio, et al. 2007. BDNF plasma levels in acute stroke. *Neuroscience Letters*, vol. 422, pp: 128–130.
- Li J, Zhao YD, Zeng JW, Chen XY & Wang RD.2014. Serum brain-derived neurotrophic factor levels in post-stroke depression. *Journal of Affective Disorders*, Vol.168, pp: 373–379.
- Lilia N. 2012. Stress and Brain Function. *Handbook of Neuroendocrinology*. Elsevier

- Llorca G.E, Guerra LC, Morenoc MC, Doblado SR & Hernández J. 2015. Post-stroke depression: an update. *Neurología*, Vol. 30(1), pp: 23-31.
- Loubinoux I, Kronenberg G, Endres M, Bard PS & Freret T. 2012. Post-stroke depression: mechanisms, translation and therapy. *J. Cell. Mol. Med*, Vol 16, No 9, pp: 1961-69.
- Marosi K, Mattson MP. 2013. BDNF mediates adaptive brain and body responses to energetic challenges. *Trends in Endocrinology and Metabolism*,pp:1-10.
- Muller N, Myint A & Schwarz MJ. 2011. Inflammatory biomarkers and depression. *Neurotoxicity Research*, vol.19(2), pp: 308–18.
- Masi G, P. Brovedani. 2011. The hippocampus, neurotrophic factors and depression: possible implications for the pharmacotherapy of depression, *CNS Drugs*, vol. 25, no. 11, pp: 913–31.
- McEwen B.S. 2005. Glucocorticoids, depression, and mood disorders: structural remodeling in the brain. *Metabolism*, vol.54(5). pp: 20–23.
- McEwen B.S. 2007. Physiology and neurobiology of stress and adaptation: central role of the brain. *Physiolgy Review*, Vol. 87: pp: 873–904.
- Miller A.H, Maletic V & Raison LC. 2009. Inflammation and its discontents: the role of cytokines in the pathophysiology of major depression. *Biological Psychiatry*, vol.65(9),pp: 732–741.
- Mierlo ML, Caroline M, Marcel WP, Paul L & Johanna M. 2015. Psychological factors determine depressive symptomatology after stroke. *Archives of Physical Medicine and Rehabilitation Journals*. Vol.96(6), pp:1064-70
- Minichello L. 2009. TrkB signaling pathways in LTP and learning. *Nat. Rev. Neurosci*.10(12), pp: 850–860.
- Moncayo GJ, Bogousslavsky J. 2008. Post stroke depression. *Neurotherapeutics* Vol.8 (1), pp: 75-92.

- Nacu A, Fromm A, Sand KM, Andreassen W, Thomassen L & Naess H. 2016. Age dependency of ischaemic stroke subtypes and vascular risk factors in western norway: the bergen norwegian stroke cooperation study. *Acta Neurol Scan*, Vol:133: 202–207.
- Nagahara AH, Tuszynski MH. 2011. Potential therapeutic uses of BDNF in neurological and psychiatric disorders. *Nature reviews drug discovery*. Vol E10, pp: 209-17.
- Naughton M, Timothy GD & Scott LV. 2014. Corticotropin-releasing hormone and the hypothalamic–pituitary–adrenal axis in psychiatric disease. *Clinical Neuroendocrinology*, Elsevier, pp : 69-84.
- Niciu.M.J, Kelmendi B & Sanacora G.2012. Overview of glutamatergic neurotransmission in the nervous system, *Pharmacology Biochemistry and Behavior*, Vol.100(4), pp: 656–64.
- Numakawa T, Shingo N, Naoki A, Misty R & Kunugi H. 2013. Neurotrophin BDNF and novel molecular targets in depression pathogenesis. *J Neurol Transl Neurosci*, Vol. 1 (3), pp: 1021.
- Noonan K, Carey LM & Crewther SG. 2012. Meta-analyses indicate associations between neuroendocrine activation, deactivation in neurotrophic and neuroimaging markers in depression after stroke. *Journal of Stroke and Cerebrovascular Diseases*, Vol. 09, No.008, pp: 1-12.
- Nys.G.M, Zandvoort MJ, Worp HB, deHaan HF, deKort PL & Kappelle LJ. 2005. Early depressive symptoms after stroke: neuropsychological correlates and lesion characteristics. *Journal of the Neurological Sciences*, Vol. 228 (1), pp: 27–33.
- Park GY, Sun Im, Oh CH, Lee SJ & Pae CU. 2015. The Association between the severitas of poststroke depression and clinical outcomes after first-onset stroke in Korean patients. *General Hospital Psychiatry*, Vol.37, pp: 245–250.

- Phillips C. 2017. Review article brain-derived neurotrophic factor , depression , and physical activity : making the neuroplastic connection, Vol.2017. Art.ID : 7260130.
- Pikula A, Alexa SB, Chen TC, Preis SR, Vorgias D, DeCarli C, et al. 2013. Serum brain-derived neurotrophic factor and vascular endothelial growth factor levels are associated with risk of stroke and vascular brain injury , Framingham study. *Stroke Journal*, Vol. 44, pp:2768-75.
- Qamar ZK. 2011. Depression among stroke patients and relation with demographic and stroke characteristics. *Master Thesis in Public Health*. Umeå University.
- Robinson RG, Jorge RE. 2016. Post-stroke depression:a review. *Am. J. Psychiatry* 173, pp: 221–31.
- Rundek T, Sacco RI (eds). 2011. Prognosis after stroke. *Stroke: Pathophysiology, Diagnosis, and Management*. Elsevier Saunders, Philadelphia, pp: 219-34.
- Sakata K. 2012. Brain-derived neurotrophic factor and major depression. *Neurobiology Depression*. CRC Press, pp: 391-419.
- Santos M, Ovari EK & Gold G. 2009. The Neuroanatomical model of post-stroke depression: towards a change of focus, *Journal of the Neurological Sciences*, vol. 283, no.1-2, pp:158-62.
- Semenza GL (eds). 2009. Hypoxia-Inducible factor 1. *Brain Hypoxia and Ischaemia*. Humana Press, pp: 277-88.
- Schöttke H, Giabbiconi CM. 2015. Post-stroke depression and post-stroke anxiety: prevalence and predictors. *International Psychogeriatrics*, Vol. 27 (11), pp: 1805-12.
- Singh RB, Toru T, Tokunaga M, Wilczynska A & Kim CJ. 2014. Effect of *Brain derived neurotrophic factor*, in relation to diet and life-style factors, for prevention of neuropsychiatric and vascular diseases and diabetes. *The Open Nutraceuticals Journal*, Vol. 7, pp: 5-14.

- Sopiyudin M.D. 2016. *Besar Sampel Dalam Penelitian Kedokteran dan kesehatan*. Jakarta. Epidemiologi Indonesia. Hal: 148-57.
- Songran Y, Hua P, Xinyuan S, Zaixu C, Suyu Z, Gaolang G, *et al.* 2015. A significant risk factor for poststroke depression. The Depression-Related Subnetwork. *J Psychiatry Neurosci*, Vol. 40, No. 4.
- Spalletta G, Caltagirone C (eds). 2009. Depression and other neuropsychiatric complications. in stroke recovery & rehabilitation. *Demos Medical*. New York, pp: 453-68.
- Storor DL, Byrne G. 2006. Premorbid personality and depression following stroke. *International Psychogeriatrics*, Vol. 18, No. 3, pp: 457–69.
- Suroto. 2012. *Aterosklerosis, Trombosis dan Stroke Iskemik*. Surakarta. UNS Press, hal: 65-75.
- Tang WK, Chan SS & Chiu HF. 2005. Poststroke depression in Chinese patients: frequency, psychosocial, clinical and radiological determinants. *J Geriatry Psychiatry Neurology*, Vol. 18, No.1, pp: 45-51.
- Teixeira AL, Barbosa IG, Diniz BS & Kummer A. 2010. Circulating levels of brain-derived neurotrophic factor: correlation with mood, cognition and motor function. *Biomarkers Med*, Vol. 4, No. 6, pp: 871–887.
- Towfighi A, Ovbiagele B, Hussein N, Hackett ML, Jorge RE, Kissela BM, *et al.* 2016. Poststroke depression a scientific statement for healthcare professionals from the american stroke association. *Stroke*;Vol. 47.
- Udina M, Navinés, E Egmond, Oriolo G, Langohr K, Gimenez D, *et al.* 2016. Glucocorticoid receptors, brain-derived neurotrophic factor, serotonin and dopamine neurotransmission are associated with interferon-induced depression. *International Journal of Neuropsychopharmacology*, Vol. 19(4), pp: 1–12.

- Wang S, Zhang Z, Guo Y, Teng G & Chen B. 2009. Hippocampal neurogenesis and behavioural studies on adult ischemic rat response to chronic mild stress. *Behavioural Brain Research*, vol. 189, no.1, pp: 9–16.
- Wang Y, T. Zhang & Jing X. 2012. A prospective cohort study of lesion location and its relation to post-stroke depression among Chinese patients. *Journal of Affective Disorders*, vol.136, no.1-2, pp: e83–e87.
- Widodo J, Asadul A, Wijaya A & Lawrence. 2016. Correlation between nerve growth factor (ngf) with *Brain derived neurotrophic factor* (BDNF) in ischemic stroke patient. *Bali Medical Journal (Bali Med J)* , Vol.5, No. 2, pp: 10-13.
- Xiyong F, Heijnen CJ, Van der Kooij MA, Groenendaal F & Van Bel F. 2009. The role and regulation of hypoxia-inducible factor-1 α expression in brain development and neonatal hypoxic–ischemic brain injury. *Brain Research Reviews*, Vol. 62, pp: 99–108
- Yao XY, Lin Y, Geng J, Sun YM, Chen Y, Shi GW, *et al.* 2012. Age- and Gender-Specific Prevalence of Risk Factors in Patients with First-Ever Ischemic Stroke in China. *Stroke Research and Treatment*. Volume 2012, pp:1-6
- Yang L, Zhang Z, Xu Z, Yuan Y, Zhang X & Li L. 2011. Low serum BDNF may indicate the development of PSD in patients with acute ischemic stroke. *Int J Geriatr Psychiatry*, Vol. 26, pp: 495–502.
- Yasmar AA. 2015. Depresi dan ansietas pada stroke. *Stroke Komplikasi Medis dan Tatalaksana*. Badan Penerbit FKUI, Jakarta, hal:101-110.
- You Z, Luo C, Zhang W. 2011. Pro- and anti-inflammatory cytokines expression in rat's brain and spleen exposed to chronic mild stress: involvement in depression. *Behavioural Brain Research*, Vol. 225, no.1, pp:135–141.
- YuZhi S, Xiang YT, Yang Y, Zhang N, Wang S, Ungvari GS, *et al.* 2015. Depression after minor stroke: prevalence and predictors. *Journal of Psychosomatic Research*, pp:123-26.

Zhang ZH, Wu LN, Song JG & Li WQ. 2012. Correlations between cognitive impairment and brain-derived neurotrophic factor expression in the hippocampus of post-stroke depression rats. *Molecular medicine reports* 6, pp: 889-893.

Zhou Z, Lu T & Xu G . 2011. Decreased serum brain-derived neurotrophic factor (BDNF) is associated with post-stroke depression but not with BDNF gene Val66Met polymorphism. *Clinical Chemistry and Laboratory Medicine*, Vol.49, no.2, pp:185–189.

Zunzain, Anacker C, Cattaneo A, Carvalho A & Pariante CM. 2011. Glucocorticoids, cytokines and brain abnormalities in depression. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, Vol.35, no.3, pp: 722–729.

