

DAFTAR PUSTAKA

- Adhya, D., Annuario, E., Lancaster, M., Price, J., Cohen, S. B., and Srivastava, D.P. 2017. Understanding the role of steroids in typical and atypical brain development: Advantages of using a “brain in a dish” approach. *Journal of Neuroendocrinology*. 30: 1-16.
- Angelhoff, C., Blomqvist, Y. T., Helmer, C. S., Olsson, E., Shorey, S., Frostell, A., and Morelius, E. 2018. Effect of skin-to-skin contact on parents’ sleep quality, mood, parent-infant interaction and cortisol concentrations in neonatal care units: study protocol of a randomised controlled trial. *BMJ Open*. 8: 1-8.
- Akbar, B. 2010. *Tumbuhan dengan Kandungan Senyawa Aktif yang Berpotensi sebagai Bahan Antifertilitas*. Jakarta: Adabia Press.
- Babenko, O., Kovalchuk, I., and Metz, G. A. 2015. Stres-induced perinatal and transgenerational epigenetic programming of brain development and mental health. *Neuroscience and Biobehavioral Reviews*. 48: 70-91.
- Binder, D. K. and Scharfinan, H. E. 2003. Brain Derivet Neurothropic Factor. *Growth Factors*: 121-131.
- Biran,V., Verney, C and Ferriero, D.M. 2012. Perinatal Cerebellar Injury in Human and Animal Models. *Neurol. Res. Int*. 2012:858929
- Boeree, C. G. 2003. The Cerebrum. <http://webspace.ship.edu/cgboer/Genpsy/cerebrumhtml> (Diakses 20 Juli 2020).
- Bourcier T., Forgez P., Borderie V., Scheer S., Rostene W., Laroche L. 2000. Regulation of human corneal epithelial cell proliferation and apoptosis by dexamethasone. *Invest. Ophthalmol. Vis. Sci.* 41:4133–4141.
- Buckner, R.L. 2013. The cerebellum and cognitive function: 25 years of insight from anatomy and neuroimaging. *Neuron*, 80(3): 807-815.
- Burstein, H., Harris, J., Morrow, M., DeVita, Hellman., and Rosenberg’s. 2008. *Cancer: Principles & Practice of Oncology 8th Edition*. Phyladelphia: Lippincott William & Wilkins.
- Cattane N, Räikkönen K, Anniverno R. 2021. Depression, obesity and their comorbidity during pregnancy: effects on the offspring's mental and physical health. *Mol Psychiatry*, 26(2):462-481.
- Charil A, Laplante DP, Vaillancourt C, and King S. 2010. Prenatal stres and brain development. *Brain Res Rev* 65(1):56–79.
- Chen W.L., Lin C.T., Yao C.C., Huang Y.H., Chou Y.B., Yin H.S., Hu F.R. 2006. *In-vitro* effects of dexamethasone on cellular proliferation, apoptosis, and

- Na⁺-K⁺-ATPase activity of bovine corneal endothelial cells. *Ocul. Immunol. Inflamm.* 14:215–223.
- Chen, Y., and Baram T.Z. 2016 Toward understanding how early-life stress reprograms cognitive and emotional brain networks. *Neuropsychopharmacology* 41: 197–206
- Cory, S.; Adams, J.M. 2002. The Bcl2 family, regulators of the cellular life-or-death switch. *Nat. Rev. Cancer* 2, 647–656.
- Cunningham F., Leveno and Bloom. 2014. *William Obstetric 24th ed.* Texas: Mc Graw Hill Education.
- Daskalakis, N.P., DeKloet, E.R., Yehuda, R., Malaspina, D., and Kranz, T.M. 2015. Early Life Stress Effects on Glucocorticoid—BDNF Interplay in the Hippocampus. *Molecular Neuroscience*. 68.
- Davis, E. P., Head, K., Buss, C., and Sandman, C. 2016. Prenatal maternal cortisol concentrations predict neurodevelopment in middle childhood. *Psychoneuroendocrinology*.
- Dedovic, Katarina. 2009. What Stress Does to Your Brain: A Review of Neuroimaging Studies. *Canadian journal of psychiatry*. Vol : 54. No. 1.
- Devita, V., and Rosenberg, S., 2005. *Cancer Principal & Practise of Oncology, Book 1, 7th Ed.* Lippincott Williams and Wilkins. 95-102.
- D'souza, U.J and Md Shamsur R. 2018. Stress, Psychological, Somatic, Isolation, Restraint, Rodent. *Matrix Science Pharma*. 2(1): 03-05.
- Elmore, S. 2007. A Review Of Programmed Cell Death. *Toxicology Pathology*. 495-516.
- Engidaw N.A, Alemayehu G.M and Fetene K.A. 2019. Perceived Stress And Its Associated Factors Among Pregnant Women In Bale Zone Hospitals, Southeast Ethiopia: A Cross-Sectional Study. *BMC Res Notes*. 12:356.
- Fenner, B. M. 2012. Truncated TrkB: Beyond a Dominant Negative Receptor. *Cytokine & Growth Factor Reviews*. 15-24.
- Fiandalo, M.V, Kyprianou, N. 2012. Caspase control: Protagonists of cancer cell apoptosis. *Exp. Oncol*. 34, 165–175.
- Freitas A. E., Egea J., Buendia I., Gomez-Rangel V., Parada E., Navarro E. 2016. Agmatine, by Improving Neuroplasticity Markers and Inducing Nrf2, Prevents Corticosterone-Induced Depressive-Like Behavior in Mice. *Mol. Neurobiol*. 53 3030–3045.
- Graignic-Philippe R., J. Dayan, S. Chokron, A-Y. Jacquet, and S. Tordjman. 2014. Effects of Prenatal Stress On Fetal and Child Development: A Critical Literature Review. *J.Neubiorev*. 137-162.

- Grigoryan G, Segal M. 2013. Prenatal stres affects network properties of rat hippocampal neurons. *Biol Psychiatry*, 73:1095–102.
- Guo W. Z., Miao Y. L., An L. N., Wang X. Y., Pan N. L., Ma Y. Q. 2013. Midazolam provides cytoprotective effect during corticosterone-induced damages in rat astrocytes by stimulating steroidogenesis. *Neurosci. Lett.* 547 53–58.
- Hardinsyah dan I Dewa Nyoman S. 2016. *Ilmu Gizi Teori dan Aplikasi*. Jakarta : EGC.
- Hassan A.H., von Rosenstiel P., Patchev V.K., Holsboer F., Almeida O.F. 1996. Exacerbation of apoptosis in the dentate gyrus of the aged rat by dexamethasone and the protective role of corticosterone. *Exp. Neurol.* 140:43–52.
- Häusler R. 2004. The effects of acoustic overstimulation. *Ther Umsch*, 61:21–9.
- Hemmings, B. A., and Restuccia, D. F. 2012. P13K-PKB/Akt Pathway. *Cold spring harbour perspective in biology*.
- Hepper, P. 2007. Prenatal Development. In: Slater dan Lewis (Eds.) *Introduction to Infant Development*. New York: Oxford University Press, 41-62.
- Hermanto, T.J, Estoepangesti, A. & Widjiati, 2002. *The Influence of Various Musical Exposure to Pregnant Rattus norvegicus to the Amount of Rat Offspring Brain Cells*, Abstract of the 3rd Scientific Meeting on Fetomaternal Medicine and AOFOG Accredited Ultrasound Workshop.
- Hermanto, T.J. 2013. *Bersujud Dalam Rahim 2: Mencerdaskan Janin Sejak Dalam Rahim dengan Kombinasi Stimulasi 11-14 Musik Karya Mozart Dan Nutrisi*. Surabaya: Global Persada Press.
- Hill MA. Earlt 2007. Human Development. *Clin Obstet Gynecol.* 50(1):2-9.
- Hines, T. 2016. Anatomy of The Brain. *Mayfield Brain and Spine*, 3, 1-6
- Houzel SH. 2014. The Glia/Neuron Ratio: How it Varies Uniformly Across Brain Structures and Species and What that Means for Brain Physiology and Evolution. *GLIA* 62:1377–1391.
- Jafari, Z., Jogender M., Bryan E.K., and Majid H. 2017. Prenatal Noise Stres Impairs HPA Axis and Cognitive Performance in Mice. *Nature. Scientific reports*.
- Jauregui-Huerta J, Y. Ruvalcaba-Delgadillo, R. Gonzalez-Castaneda, J. Garcia-Estrada, O. Gonzalez-Perez and S. Luquin. 2010. Responses of Glial cells to stres and glucocorticoids. *Curr Immunol Rev.* 6(3): 195-204.
- Kalimuthu, S. and Se-Kwon, K., 2013. Cell survival and apoptosis signaling as therapeutic target for cancer: Marine bioactive compounds. *Internasional Journal of Molecular Sciences.* 14: 2334-2354.

- Kesar AG. 2014. Effect of prenatal chronic noise exposure on the growth and development of body and brain of chick embryo. *Int J Appl Basic Med Res.* 4(1):3-6.
- Kettenmann HT and Ransom BR. 2005. *Neuroglia*, 2nd edn. Oxford:Oxford University
- Kim, H., Lee, M.-H., Chang, H.-K., Lee, T.-H., Lee, H.-H., Shin, M.-C., Shin, M.-S, Won, R., Shin, H.-S., Kim, C.-J. 2006. Influence of prenatal noise and music on the spatial memory and neurogenesis in the hippocampus of developing rats. *Brain and Development*, 28(2), 109–114.
- Kingston D, Heaman M, Fell D, Dzakupasu S, Chalmers B. Factors Associated With Perceived Stress and Stressful Life Events in Pregnant Women: Findings From The Canadian Maternity Experience Survey. *Maternal and Child Health Journal.* 16(1): 158-168.
- Kleen JK, Sitomer MT, Killeen PR, Conrad CD. 2006. Chronic stress impairs spatial memory and motivation for reward without disrupting motor ability and motivation to explore. *Behavioral Neuroscience*, 120 842–851.
- Kuo K., Hackney D., Mesiano S. 2016. The Endocrine Control of Human Pregnancy. *Endocrinology*.
- Krohne, H.W., 2002. Stress and coping theories. In: N. J. Smelser and P.B. Baltes (Eds). *The international encyclopedia of the social and behavioural sciences*. England :Elsevier Oxford.
- Lanham, S.A., Ian. A.M dan Helen, M.R. 2011. *Metabolisme Zat Gizi (Alih Bahasa)*. Jakarta : EGC
- Li H., Qian W., Weng X., Wu Z., Zhuang Q., Feng B., Bian Y. 2012. Glucocorticoid receptor and sequential P53 activation by dexamethasone mediates apoptosis and cell cycle arrest of osteoblastic MC3T3-E1 cells. *PLoS One.* 7:e37030.
- Lucassen PJ, Pruessner J, Sousa N. 2014. Neuropathology of stress. *Acta Neuropathol.* 127(1):109–135.
- López-López, Ana L, Herlinda B. Jaime, María del Carmen E. V., Mailinalli B. P., Gonzalo V. P., and Francisco J. A. Aguilar. 2016. Chronic Unpredictable Mild stress Generates Oxidative Stress and Systemic Inflammation in Rats. *Physiol Behav.* 161 : 15-23.
- Marrocco J, Mairesse J, Ngomba RT, Silletti V, Van Camp G, Bouwalerh H. 2012. Anxiety-like behavior of prenatally stressed rats is associated with a selective reduction of glutamate release in the ventral hippocampus. *J Neurosci*, 32:17143–54.

- McEwen B & Gianaros P. 2010. Central role of the brain in stress and adaptation: links to socioeconomic status, health, and disease. *Ann N Y Acad Sci.*; 1186: 190-222.
- Moutsatsou P., Kassi E., Papavassiliou A.G. 2012. Glucocorticoid receptor signaling in bone cells. *Trends Mol. Med.* 18:348–359.
- Murray, P. S., and Holmes, P. V. 2011. An overview of brain-derived neurotrophic factor and implications for excitotoxic vulnerability in the hippocampus. *International Journal of Peptides* : 201-213.
- Nakatani Y., Amano T., Tsuji M., Takeda H. 2012. Corticosterone suppresses the proliferation of BV2 microglia cells via glucocorticoid, but not mineralocorticoid receptor. *Life Sci.* 91 761–770.
- Novak M, Madej JA, Dziegiel P. 2007. Intensity of Cox 2 Expression in Cell of Soft Tissue Fibrosarcomas in Dog As Related to Grade of Tumor Malignation. *Bull Vet Inst Pulawy* 51:275-279
- Nykjaer, A., Willnow, T. E., and Peterson, C. 2005. p75NTR-live or let die. *Curr Opinion in Neurobiology.* 15: 49-57.
- Pasiak, T., Aswin, Susilowati, R., 2005. Hubungan reseptor dopamine D1 di cortex prefrontalis tikus (*Rattus novergicus*) dengan memori kerja setelah stress kronik. *Sains Kesehatan*, 3(18); p. 383-397.
- Pantha S., Bruce H., Bharat K Yadav, Paban S, and Pragya G. 2014. Prevalence of Stress among Pregnant Women Attending Antenatal Care in a Tertiary Maternity Hospital in Kathmandu. *J Women's Health Care.* 3: 183.
- Pillay, Priya Soma, Chaterine Nelson, Heli Tolppanen, Alexandre Mebaza. 2016. Physiological Changes in Pregnancy. *Cardiovasc J Afr.* 89-94
- Popoli, Maurizio., Zhen, Yan., McEwen, Bruce., 2013. The stressed Synapse: The Impact of Stress and Glucocorticoids on Glutamate Transmission. *Nat Rev Neurosci.* 13(1): 22-37.
- Rastogi RP, Richa, dan Sinha RP. 2009. Apoptosis: Molecular mechanism and pathogenicity. *EXCLI Journal* 2009;8:155-81
- Rajkowska G. and Hidalgo JJM. 2007. Gliogenesis and Glial Pathology in Depression. *CNS Neurol Disord Drug Targets.* 6(3): 219–233.
- Rice, D., and Barone, S. 2000. Critical periods of vulnerability for the developing nervous system: evidence from humans and animal models. *Environment Health Perspect.* 108(3): 511–533.
- Sandman CA, Davis EP, Buss C, Glynn LM. 2012. Exposure to prenatal psychobiological stress exerts programming influences on the mother and her fetus. *Neuroendocrinology*, 95(1):7-21.

- Selye, H. 1987. Stres without distres. In: Le Fevre, M. Matheny, J., Kolt, G. 2003. Eustres, Distres and Interpretation in Occupational Stres. *Journal of Managing Psychology*, 18(7); p.726-244.
- Schepanski, S., Buss C., Ileana L. Hanganu-Opatz and Arck PC. 2018. Prenatal Immune and Endocrine Modulators of Offspring's Brain Development and Cognitive Functions Later in Life. *Front. Immunol.* 9:2186.
- Shalini, S., Dorstyn, L., Dawar, S and Kumar, S. 2015. Cell Death and Differentiation: Old, new and emerging functions of caspases. *Macmillan Publishers Limited*. 22:526-539
- Sherwood, Lauralee. 2013. *Human Physiology: From Cells to System, Eight Edition*. USA: Brooks/Cole, Cengage Learning, p.144
- Soetjningsih, e. a., 2013. *Tumbuh Kembang Anak*. 2nd ed. Jakarta: Penerbit Buku Kedokteran EGC.
- Sorrells SF, Caso JR, Munhoz CD, and Sapolsky RM. 2009. The Stressed CNS: When Glucocorticoids Aggravate Inflammation. *Neuron*. 64:33-39
- Spengler, D., Elisabeth B. 2016. *Epigenetics and Neuroendocrinology: Clinical Focus on Psychiatry, Volume 2*. Switzerland: Springer International Publishing. eBook
- Standley JM. 1998. The effect of music and multimodal stimulation on responses of premature infants in neonatal intensive care. *Pediatr Nurs*. 24:532–8.
- Steinlin, M., and Wingeier, K. 2013. Cerebellum and cognition. In: Manto, M., Gruol, D.L., Schmahmann, J., Koibuchi, N., Rossi, F. (Eds.). *Handbook of the Cerebellum and Cerebellar Disorders*. 1678-1700.
- Stiles, J., & Jernigan, T. L. 2010. The basics of brain development. *Neuropsychol Rev*, 20:327-348.
- Tanaka J., Fujita H., Matsuda S., Toku K., Sakanaka M., Maeda N. 1997. Glucocorticoid- and mineralocorticoid receptors in microglial cells: the two receptors mediate differential effects of corticosteroids. *Glia* 20 23–37.
- Tanapat P, Galea LA, Gould E. 1998. Stress inhibits the proliferation of granule cell precursors in the developing dentate gyrus. *Int J Dev Neurosci*. 16:235–9.
- Tata DA, Marciano VA, Anderson BJ. 2006. Synapse loss from chronically elevated glucocorticoids: relationship to neuropil volume and cell number in hippocampal area CA3. *Journal of Comparative Neurology*, 498 363–374.
- Tsigos C, and Chrousos GP. 2002. Hypothalamic-pituitary Adrenal Axis, Neuroendocrine Factors and Stres. *J Psychosom Res*. 53: 865-871.

- Unemura K., Kume T., Kondo M., Maeda Y., Izumi Y., Akaike A. 2012. Glucocorticoids decrease astrocyte numbers by reducing glucocorticoid receptor expression in vitro and in vivo. *J. Pharmacol. Sci.* 119 30–39.
- Van Olst L., Bielefeld P., Fitzsimons C. P., de Vries H. E., Schouten M. 2018. Glucocorticoid-mediated modulation of morphological changes associated with aging in microglia. *Aging Cell* 17:e12790.
- Verkhatsky, A. 2010. Physiology of neuronal-glial networking. *Neurochemistry International* : 332-343.
- Volpe .2008. *Neurology of The Newborn 5th Edition*. WB Saunders. Philadelphia, USA. (4th). P: 45-99
- Volpe, J. *et al.*, 2017. *Volpe's Neurology of the Newborn*. 6th ed. Philadelphia : Elsevier.
- Wajant, H. 2002. The Fas signaling pathway, more than a paradigm. *Science* , 296; 1635–1636
- Wang, JY., Chen, F., Fu, XQ., Ding, CS., Zhou, L., Zhang, XH., and Luo, ZG. 2014. Caspase-3 Cleavage of Dishevelled Induces Elimination of Postsynaptic Structure. *J Dev. Cell.* 28: 670-684.
- Willy, Rachmat. 2016. “Pengaruh Frekuensi Paparan Stresor Cahaya Saat Kebuntingan Terhadap Jumlah dan Indeks Apoptosis Sel Neuron Otak Mencit (*Mus musculus*) Baru Lahir”. Tesis. FK, Ilmu Kesehatan Reproduksi, UNAIR. Surabaya.
- Woods, Sarah M., Jennifer L. Melville, Yuqing G., Ming-Yu F., and Amelia G. 2010. Psychosocial Stres During Pregnnacy. *Am J Obstet Gynecol*, 202(1): 61.e1-61.e7.
- Y.Jang, B. Lee, Eun-Kyung K., Won-Sik S., Y. Duk Yang and S. Ming Kim. 2017. Involuntary Swimming Exercise in Pregnant Rats Disturbs ERK ½ Signaling in Embryonic Neurons Trough Increased Cortisol in The Amniotic Fluid. *Biochemical and Biophysical Research Communication*, 1-6.
- Younis , A. L., 2013. *The Cerebellum: Disorders and Treatment: Handbook of Clinical Neurology Series*. 113 ed. USA: Elsivier.
- Zhang H., Zhao Y., Wang Z. 2015. Chronic corticosterone exposure reduces hippocampal astrocyte structural plasticity and induces hippocampal atrophy in mice. *Neurosci. Lett.* 592 76–81.
- Zunszain PA, Anacker C, and Cattaneo A,. 2011. Glucocorticoids, Cytokines and Brain Abnormalities in Depression. *Prog Neuropsychopharmacol Biol Psychiatry*. 35: 722-729