DAFTAR PUSTAKA

Agency for Toxic Substances and Disease Registry (ATSDR). (2008). Toxicological profile for Aluminum. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Airey, D.C., Lu, L., Williams, R.W. (2001). Genetic Control of The Mouse Cerebellum: Identification of Quantitative Trait Loci Modulating Size and Architecture. *The Journal of Neuroscience*. 21(14): 5099-5109.

Alder, J., Lee, K. J., Jessell, T. M., & Hatten, M. E. (1999). Generation of cerebellar granule neurons in vivo by transplantation of BMP-treated neural progenitor cells. *Nature Neuroscience*, 2(6), 535–540.

Al-Griw, M.A., Elnfati, A.H., Salama, N.M., Maamar, M.S., Treesh, S.A., Shaibi, T. (2015). Mode of Cell Death in Mouse Brain Following Early Exposure to Low- Dose Trichloroethane: Apoptosis or Necrosis. *American Journal of Biology and Life Sciences.* 3(6): 232-240.

Allam, A.A., El-Ghareeb, A.A., Abdul-Hamid, M., Gad, M.A. (2010). Effect Of prenatal and perinatal acrylamide on the biochemical and morphological changes in liver of developing albino rat. *Arch Toxicol*. 84(2):129–41.

Allam, A., Abdul H, Manal Z, Ajarem K, Jamaan & Allam, Gamal, El Ghareeb, Abd el wahab (2012). Prenatal and perinatal acrylamide disrupts the development of cerebrum and medulla oblongata in albino rats. *Afr J Biotechnol*. 11. 7570-7578.

Aprilyanti, R.E. (2019) Perubahan Struktur Histologis Pada Korteks Serebral Mencit (Mus musculus) Swis Webster yang Diberikan Aluminium Klorida. [Skripsi]. Jakarta: Fakultas Matematika dan Ilmu Pengetahuan Alam.

Berihu, B.A., Afwerk, M., Debeb, Y.G., Gebreslassie, A. (2015). Review on Histological and Functional Effect of Aluminium Chloride on Cerebral Cortex of the Brain. *International Journal of Pharma Sciences and Researc*h. 6(8): 0975-9492.

Bihaqi, S.W., Sharma, M., Singh, A.P., Tiwari, M. (2009). Neuroprotective Role of Convolvulus Pluricaulis on Aluminium Induced Neurotoxicity in Rat Brain. *Journal Ethnopharmacology*. 124(3)

Bryda, E.C. (2013) The Mighty Mouse: The Impact of Rodents on Advances in Bio medical Research. *Mo Med*. 110(3): 207–211.

Buraimoh, A., Ojo, S., Hambolu, J.A., Debisi, S. (2012) Effects of Aluminium

Chloride Exposure on the Histology of the Cerebral Cortex of Adult Wistar Rats. *Journal of Biology and Life Science*. 3:1.

Carlson, B.M. (1988) Patten's Foundations of Embryology. New York: McGraw-Hill Book Company.

Chin, D., Patricia, H., Kathrin, P., Gerald, R. (2013) Neuroprotective Properties of Curcumin in Alzheimer's Disease – Merits and Limitations. *Current Medicinal Chemistry*. 20(32): 3955-3985.

Cole, G. M., Teter, B., & Frautschy, S. A. (2007). Neuroprotective effects of curcu min. *Advances in experimental medicine and biology*. 595, 197–212.

D'Arcangelo, G. (2014). Reelin in the Years: Controlling Neuronal Migration and Maturation in the Mammalian Brain. *Advances in Neuroscience, 1–19.*

Daniel, S., Limson, J. L., Dairam, A., Watkins, G. M., Daya, S. (2004). Through metal binding, curcumin protects against lead- and cadmium-induced lipid peroxidation in rat brain homogenates and against lead-induced tissue damage in rat brain. *Journal of inorganic biochemistry*. 98(2), 266–275.

Dutta, S., & Sengupta, P. (2016). Men and mice: Relating their ages. *Life Sciences*. 152, 244–248.

El-gendy, M.S, Abdel, M.M., Hatem, M.M. (2008) Histological study on the effect of aluminium chloride on frontal cortex of adult male albino rats. *Egypt J*.

El-Rahman, S.S. (2003). Neuropathology of aluminum toxicity in rats (glutamate and GABA impairment). *Pharmacological research*. 47(3), 189–194.

Federer, W.T. 1967. Experimental Design, Theory, and Application. New Delhi: Ramsey SC. Galeano.

Gándara, M.J.F. (2013). Aluminium: the metal of choice. *Journal Materials and technology*. 47(3): 261–265.

Ganrot, O. (1986) Metabolism and possible health effects of aluminum. *Environ Health Perspect*. 65:363-441.

Georgi, B., Benjamin, F.V., Maja, B. (2013). From Mouse to Human: Evolutionary Genomics Analysis of Human Orthologs of Essential Genes. *Plos Genetics*. 9(5).

Gilmore, E.C., Heruup, K. (1997). Cortical development: Layers of complexity. *Current Biology*. 7:R231–R234

Guo, C.H., Huang, C., Yuan, C.Y., Chen, S.T.,Wang-Hsu, G.S. (2001). Serum and Testicular Testosterone and Nitric Oxide Products in Aluminum-Treated Mice. *Environmental Toxicology Pharmacology*. 21: 1-7.

Hartati, S.Y, Balittro. (2013). Khasiat Kunyit Sebagai Obat Tradisional dan Man faat Lainnya.Warta Penelitian dan Pengembangan Tanaman Industri. *Jurnal Puslitbang Perkebunan*. 19: 5-9.

Hartono, A.J., Tomijiro, K. (1992). Mengenal Pelapisan Logam (elektroplating). Yogayakarta: Andi Offset.

Hu, S., Panchanan, M., Qiulan, M., Xiaohong, Z., Mychica, R.J., Greg, M.C., Sally, A.F. (2015). Clinical development of kurkumin in neurodegenerative disease. *Expert Rev. Neurother*.15(6): 629–637.

Inan-Eroglu, E., & Ayaz, A. (2018). Is aluminum exposure a risk factor for neuro-logical disorders?. *Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences*, 23, 51.

Integrated Taxonomic Information System. (2019). *Mus musculus*. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=180366#null [20 Maret 2019].

Jiang, T., Wang, L., Zhang, S., Sun, P.C., Ding, C.F., Chu, Y.Q., Zhou, P. (2011). Interaction of curcumin with Al(III) and its complex structures based on experiments and theoretical calculations. *Journal of Molecular Structure*. 1004(1-3), 163–173.

Kakkar, V., Kaur, I.P. (2011). Evaluating potential of curcumin loaded solid lipid nanoparticles in aluminium induced behavioural, biochemical and histopathological alterations in mice brain. *Food and Chemical Toxicology*, 49(11), 2906–2913.

Kawahara, M., Midori, K.N. (2012) Link between Aluminum and the Pathogenesis of Alzheimer's Disease: The Integration of the Aluminum and Amyloid C ascade Hypotheses. *International Journal of Alzheimer's Disease*. 276-393.

Khopde, S.M., Priyadarsini, K.I., Venkatesan, N., Rao, M.N.A. (1999) Free radical scavenging ability and antioxidant efficiency of kurkumin and its substituted analogue. *Biophysical Chemistry*. 80(2): 83-89.

Kirkcaldie, M.T.K. (2012). The Mouse Nervous System. Australia: School of Medicine, University of Tasmania.

Klotz, K., Wobbeke, W., Frauke, N., Andrea, H., Christoph van, T., Hans, D. (2017)

The Health Effects of Aluminum Exposure. *Dtsch Arztebl Int*. 114: 653–9.

Krewski, D., Robert, A.Y., Evert, N., David, B., Joshua, C., Jean, H., Sam, K., Joan, L., Amal, M.M. (2007). Human health risk assesment for aluminium, aluminium oxide, and aluminium hydroxide. *J Toxicol Environ Health*. 10(Suppl 1): 1–269.

Kroon, T., van Hugte, E., van Linge, L. (2019). Early postnatal development of pyramidal neurons across layers of the mouse medial prefrontal cortex. *Sci Rep* 9, 5037.

Kumar, A., Samrita, D., Atish, P. (2009). Protective effect of curcumin (Curcuma longa), against aluminium toxicity: Possible behavioral and biochemical alterations in rats. *Behavioral Brain Research*. 205:384-390.

Kurita, T., Yuji, M. (2013). Novel Kurkumin Oral Delivery Systems. *Anticancer Research*. 33: 2807-2822.

Kwan, K. Y., Sestan, N., Anton, E. S. (2012). Transcriptional co-regulation of neuro nal migration and laminar identity in the neocortex. *Development (Cambridge, England)*, *139*(9), 1535–1546.

Liu, W., Zhai, Y., Heng, X., Che, F. Y., Chen, W., Sun, D., Zhai, G. (2016). Oral bioavailability of curcumin: problems and advancements. *Journal of drug targeting*, *24*(8), 694–702.

Mandel, S., Weinreb, O., Amit, T., Youdim, M. B. (2004). Cell signaling pathways in the neuroprotective actions of the green tea polyphenol (-)-epigallocatechin-3-gallate: implications for neurodegenerative diseases. *Journal of neurochemistry*, 88(6), 1555–1569.

Maiti, P., Dunbar, G. L. (2018). Use of Curcumin, a Natural Polyphenol for Target ing Molecular Pathways in Treating Age-Related Neurodegenerative Diseases. *International journal of molecular sciences*, *19*(6), 1637.

Naidu, N.R., Shankar, B., Urban, D. (2013). Effects of long term Administration of aluminium chloride on oxydative stress and achetilcholenesterase activity in rats brain. *IJPBS*. 3(1): 166-622.

Nday, C.M., Drever, B.D., Salifoglou, T., Platt, B. (2010). Aluminium interferes with Hippocampal calcium signaling in a species-specific manner. *Journal of Inorganic Biochemistry*. 104: 919–927.

Poduri, A., Velve, J.J (2018). Volpe's Neurology of the Newborn (Sixth Edition). Chapter 6: Neuronal Migration. 120-144.e8.

Qu, J., Chen, W., Hu, R., Feng, H. (2016). The Injury and Therapy of Reactive Oxygen Species in Intracerebral Hemorrhage Looking at Mitochondria. Oxidative medicine and cellular longevity. 2592935.

Rahimi, H.R., Nedaeinia, R., Sepehri Shamloo, A., Nikdoust, S., Kazemi O.R. (2016). Novel delivery system for natural products: Nano-curcumin formulations. *Avicenna journal of phytomedicine*, *6*(4), 383–398.

Said, M.M., Rabo, M.M.A. (2017). Neuroprotective effects of eugenol against aluminium-induced toxicity in the rat brain. *Archives of Industrial Hygiene and Toxicology*. 68: 27-37.

Scotter, M.J. (2011). Methods for the determination of European Unionpermitted added natural colours in foods: a review. Food Addit. Contam. Part A Chem. Anal. *Control Expo. Risk Assess*. 28(5), 527-596.

Sethi, P., Jyoti, A., Hussain, E., Sharma, D. (2009). Curcumin attenuates aluminium -induced functional neurotoxicity in rats. *Pharmacology, Biochemistry and Behavior*. 93: 31–39.

Sime. (2019). Swiss Webster (SW) outbreed mice. http://sime.ut.ee/EN/services/animal-models/traditional-mice-models/swiss-webster/ [20 Maret 2019].

Sood, P.K., Nahar, U., Nehru, B. (2011) Kurkumin attenuates aluminum-induced oxidative stress and mitochondrial dysfunction in rat brain. *Neurotox Res*. 20(4):351-61.

Subramani, P. A., Panati, K., Lebaka, V. R., Reddy, D. D., Narala, V. R. (2017). Nanonostructures for Curcumin Delivery: Possibilities and Challenges. *Nano- and Microscale Drug Delivery Systems*. 393–418.

Swenson, R.S. (2006). Review on Clinical and Functional Neuroscience. https://www.dartmouth.edu/~rswenson/NeuroSci/index.html [31 Oktober 2019].

Toden, S., Goel, A. (2017). The Holy Grail of Curcumin and its Efficacy in Various Diseases: Is Bioavailability Truly a Big Concern?. *J Restor Med*. 6(1): 27–36.

Turgut, G., Enli, Y., Kaptanoğlu, B., Turgut, S., Genc, O. (2006). Changes in the levels of MDA and GSH in mice serum, liver and spleen after aluminum administration. *Eastern Journal of Medicine*. 11.

Verstraeten, S.V., Aimo, L., Oteiza, P.I. (2008). Aluminium and lead: molecular mechanisms of brain toxicity. *Arch Toxicol*. 82(11):789-802.

Vorbrodt, A. W., Dobrogowska, D. H., & Lossinsky, A. S. (1994). Ultracytochemical studies of the effects of aluminum on the blood-brain barrier of mice. *The journal of histochemistry and cytochemistry: official journal of the Histochemistry Society*, 42(2), 203–212.

Wang, Y., Ye, M., Kuang, X., Li, Y., & Hu, S. (2018). A simplified morphological classification scheme for pyramidal cells in six layers of primary somatosensory cortex of juvenile rats. *IBRO reports*. 5: 74–90.

Watson, C., George, P., Luis, P. (2012). The Mouse Nervous System. United Kingdom: Elsevier.

Weller, R. O., Sharp, M. M., Christodoulides, M., Carare, R. O., Møllgård, K. (20 18). The meninges as barriers and facilitators for the movement of fluid, cells and pathogens related to the rodent and human CNS. *Acta Neuropathologica*, 135(3), 363–385.

Yokel, R.A. (2012). The Pharmacokinetics and Toxicology of Aluminum in the Brain. *Current Inorganic Chemistry*. 2. 54-63.

Yokel R. A. (2000). The toxicology of aluminum in the brain: a review. *Neurotoxicology*, 21(5), 813–828.

Yuan, C. Y., Lee, Y. J., Hsu, G. S. (2012). Aluminum overload increases oxidative stress in four functional brain areas of neonatal rats. *Journal of biomedical science*, 19(1), 51.

Zaky, A., Bassiouny, A., Farghaly, M., El-Sabaa, B. M. (2017). A Combination of Resveratrol and Curcumin is Effective Against Aluminum Chloride-Induced Neuroinflammation in Rats. *Journal of Alzheimer's Disease*, 60(s1).

Zatta, P, M Ibn-Lkhayat-Idrissi, Zambenedetti P, Kilyen, M, Kiss T (2002) In vivo and in vitro effects of aluminum on the activity of mouse brain acetylcholinesterase. *Brain Research Bulletin*. 59(1): 41–45.