DAFTAR PUSTAKA

Altman, J., & Das, G.D., 1965. Autoradiographic and histological evidence of postnatal hippocampal neurogenesis in rats. *J. Comp. Neurol*. 124: 319–335.

Arab, L., Khan, F., Lam, H, 2013. Epidemiologic Evidence of a relationship between Tea, coffe, or caffeine consumption and cognitive decline. Advances in nutrition. *An International Review Journal*. 4:115-122

Arnaud, M.J., 1999. Caffeine: chemistry and physiological effects. *Academic Press*. 206-214

Asosiasi Eksportir Kopi Indonesia (AEKI), 2014. *Konsumsi Kopi melesat 30 persen*. Diunduh dari www.aeki.co.id pada tanggal 28 Agustus 2014

Bayer, S.A., 1985. *Hippocampal region. The Rat nervous system: forebrain & midbrain.* In Pacinos G. Edition. Academic Press. Sydney: 335-352

Borota, D., Murray, E., Keceli, G., Chang, A., Watabe, J. M., Ly, M., & Yassa, M. A., 2014. Post-study caffeine administration enhances memory consolidation in humans. *Nature Neuroscience*. 17(2): 201-204

Cameron, H.A., & McKay, R.D., 2001. Adult neurogenesis produces a large pool of new granuler cells in the dentatus gyrus. *J. Comp. Neurol.* 435: 406-417

Christian, M.S., & Brent, R.L., 2001. Teratogen update: evaluation of the reproductive and developmental risks of caffeine. *J. Teratology*. *PubMed*. 64(1): 51-78.

Crossman, A.R., & Neary, D., 2010. *Neuroanatomy An Illustrated Colour Text. Cerebral Hemispheren and Cerebral Cortex*. 3th edition. Elsevier. Edinburg.

Deng, W., Almone, J.B., Gage, F.H., 2010. New neurons and new memories: how does adult hippocampal neurogenesis affect learning and memory?. *Nat Rev Neurosvie.* 11(5): 339-350

Diogenes MJ, Assaife-Lopes N, Pinto-Duarte A, Ribeiro JA, Sebastiao AM., 2007. Influence of age on BDNF modulation of hippocampal synaptic transmission: interplay with adenosine A2A receptors. Hippocampus. *PubMed*. 17:577–585

Donovan, J.L., & De Vane, C.L., 2001. A primer on caffeine pharmacology and its drug interactions in clinical psychopharmacology. *J. Psychopharmacol Bull*. 35: 30-48

Duff, G., 2006. Expert Scientific Group on Phase One Clinical Trials. Final Report. Norwich: TSO

Duman, R.S., & Nestler, E.J., 1999. *Basic Neurochemistry, Molecular, Cellular, and Medical Aspect. Adenyliy Cyclase*. 6th edition. U.S. National Library of Medicine. USA

Dunwiddie, T.V., & Masino, S.A., 2001. The role and regulation of Adenosine in the central nervous system. *J. Annu.Rev.Nerusci*. 24: 31-55

El Falougy, H., Kubikova, E., Benuska, J., 2008. The Microscopical structure of hippocampus in Rat. *Bratisl Lek Listy*. 109(3); 106-110

Faris, E.J., & Griffith, J.Q., 2004. *The Rat in Laboratory Investigation*. Hanuar Publishing Co. New York

Federer, W.T., 1966. *Randomization and Sample Size In Experimentation* . Lecture presented at the Food and Drug Administration Statistics Seminar, Cornell University. Washington D.C.

Ferre, S., 2008. An update on the mechanisms of the psychostimulant effect of caffeine. *J. of Neuroscience*. 105: 1067-1079

Fisone, Borgkvist & Usiello, 2003. Caffeine as psychomotor stimulant: Mechanism of action. *Cell.Mol. Life Sci.* 61: 857-872

FitzGerald, M.J., Gruener, G., Estomih, M., 2007. *Clinical Neuroanatomy and Neuroscience*. Olfactory and limbic system. Fifth edition. Saunders Elsevier. 370-376

Food and Drug Administratio, 2014. *Caffein. Database of Select Committe on GRAS Substance (SCOGRS) Reviews*. Diunduh www.accessdata.fda.gov pada tanggal 30 September 2014

Frary, C.D., Johnson, R.K., Wang, M.Q., 2005. Food sources and intakes of caffeine in the diets of persons in United State. *J.Am. Diet.Assoc*. 105: 110-113

Fredholm, B.B., Arslan, G., Halldner, L., Kull, B., Schulte, G., & Wasserman, W., 2000. Structure and function of adenosine receptors and their genes. *Naunyn-Schmieedeberg's Archieves of Pharmacology*. 362(4-5): 364-374

Fredhlom, B.B., Battig, K., Holmen, J., Nehlig, A., Zvvartau, E.E., 1999. Actions of caffein in the brain with spesific reference to factors that contribute to its widespread use. *Pharmacol. Rev*. 51: 83-133

Fredholm, B.B., Chen, J.F., Chunha R.A., Svenningsson, P., & Vaugeois, J.M., 2005. Adenosine and brain function. *International Review Of Neurobiology*. 63: 191-270

Galea, L., Spritzer, M., Barker, J., & Pawluski, J., 2006. 'Gonadal hormone modulation of hippocampal neurogenesis in the adult'. *Hippocampus*.16 (3): pp 225-232

Ge, S., Sailor, K.A., Ming, G.L., Song, H. (2008). Synaptic integration and plasticity of new neurons in the adult hippocampus. *J. Physiol*. 586: 3759-3765

Goodman, R.R., & Snyder S.H., 1982. Autoradiographic localization of Adenosine receptors in Rat brain using [3H] cyclohexyladenosine. *J. Neurosci*. 2: 1230-1241

Gramza, M.A., 2014. Caffeine in tea Camellia sinensis – content, absorption, benefits and risks of consumption. *J. Nutr. Health Aging*. 18: 143-149

Han, M.E., Park, K.H., Baek, S.Y., Kim, B.S., Kim, J.B., Kim, B.J., Oh, S.O., 2007. Inhibitory Effect of Caffeine on Hippocampal Neurogenesis and Function. *Biochemical and Biophysical Research Communications*. 356: 976-980

Harvey, R.A., 2012. *Neuroscience*. Lippincott's Illustrated Review. International edition. Philadelpia. 382-390

Heckman, M.A., Weil, J., de Mejia E.G., 2010. Caffeine (1,3,7-trimethylxanthine) in foods: a comprehensive review on consumption, functionality, safety, and regulatory matters. *J. Food Sci*. 75: 77-87

ILSI, 2002. Caffeine monograph. *J Food Chem.Toxicol*. 40: 1229-1310

Kusumawati, D., 2004. *Bersahabat dengan hewan coba*. Gadjah Mada University Press. Yogyakarta

Lie, D.C., Song, H., Colamarino, S.A., Ming, G.L., Gage F.H., 2004. Neurogenesis in the adult brain: New Strategies for Central Nervous System Diseases. *Annu. Rev. Pharmacol. Toxicol.* 44: 399-421

Lopez, G.E., Van, D.R., Li, T.Y., RodriguezA.F., Hu, F.B., 2008. The relationship of coffee consumption withmortality. *Annals of Internal Medicine*. 148: 904-914.

Lopez, G.E., Rodriguez, A.F., Rexrode, K.M., Logroscino, G., Hu, F.B., van Dam, R. M., 2009. Coffee consumption and risk of stroke in women. *Circulation*. 119. 1116-1123

Martin, J.H., 2003. *Neuroanatomy. The Limbic System and Cerebral Circuits for Emotions, Learning, and Memory*. 3th edition. McGraw-Hill. New York.

Masato, S. & Kazunobu, S., 2012. Mechanisms of Neurogenesis in the Normal and Injured Adult Brain. Review. Graduate School of Medical Sciences, Aichi, Japan

Meija, E.G., & Mares, M.V., 2014. Impact of caffeine and coffee on our health. trends in endocrinology and metabolism. *CellPress*. 978:1-4

Ming, G.L., & Song, H., 2011. Adult neurogenesis in the mammalian brain: Significant answers and significant questions. *Neuron.*70: 687-701

Mongiat, L.A., & Schinder, A.F., 2011. Adult neurogenesis and the plasticity of the dentate gyrus network. Eur. *J. Neurosci*. 33: 1055-1061

Mu, Y., & Gage, F.H., 2011. Adult hippocampal neurogenesis and its role in Alzheimer's disease. *Molecular Neurodegeneration*. 6:85

Mu, Y., Lee, S.W., Gage, F.H., 2010. Signaling in adult neurogenesis. *Curr Opin Neurobiol.* 20: 416-423

Nawrot, P., Jordan, S., Eastwood, J., Rotstein, A., Hugenholtz, M., Feeley M., 2003. Effects of caffeine on human health. J. Food Addit Contam. 20: 1-30

Nehling, A., & Boyet, S., 2000. Dose-response study of caffeine effect on cerebral functional activity with a specific focus on dependent. *Brain Res*. 858: 71-77

Netter, F.H., 2006. *Atlas of Human Anatomy. Meninges and Brain*. 4th edition. Elsivier. Philadelpia

Nolte, J., 2007. *Elsevier's Integrated Neuroscience.*1st edition. Elsevier. Philadelpia

Nowakoski, R.S., & Hayes, L.N., 2008. *Adult Neurogenesis*. Cold Spring Harbor. 6th edition. Laboratory Press. New York

Omar, C., & Morelli, M., 2002. Subchronic caffeine administration sensitizes rats to the motor-activating effects of dopamine D1 and D2 receptor agonists.*Psychopharmacology.* 162:246–254

Patapoutian, A., & Reichardt, L.F., 2001. Trk receptors: mediators of neurotrophin action. *Curr Opin Neurobiol.* 11:272–280

Perlaki, G., Orsi, G., Kovaes, N., Schwarez, A., Pap Z., Kalmar, Z., 2011. coffee consumption may influence hippocampal volume in young women. *Brain Imaging and Behaviour*. 5: 274-284

PT Charoen Pokphand Indonesia Tbk. Pakan Ternak Standart Tikus BR-1. www.cp.co.id. Diunduh tanggal 21 Februari 2015

Rebola, N., Canas, P.M., Oliveira, C.R., & Cunha, R.A., 2005. Different synaptic and subsynaptic localization of Adenosine A_{2A} receptors in the hippocampus and striatum of the Rat. *Neuroscience*. 132 (4): 893-903

Riberio, A. & Sebastiao, M., 2010. Caffeine and Adenosine. *Journal of Alzheimer*. 20:s3-s15

Ritchie, K., Carrière, I., de Mendonça, A., Portet, F., Dartigues, J.F., Rouaud, O., 2007. The neuroprotective effects of caffeine: Aprospective population study (the Three City Study). *Neurology*. 69 (6): 536-545

Ross, M.H. & Pawlina W., 2012. *Histology A Text & Atlas- with correlated cell and molecular biology*. Sixth edition. Lippincott Williams & Wilkins. Philadelpia

Shieh, P.B., & Ghosh, A., 1999. Molecular mechanisms underlying activity-dependent regulation of BDNF expression. *J Neurobiol*. 41: 127-134

Solinas, M., Ferre, S., Antoniou, K., 2005. Involvement of Adenosine A_1 receptors in the discriminative-stimulus effect of caffeine in Rats. *Nat. Protoc*. 1: 1194-1206

Standring, S., 2008. *Gray's Anatomy. The anatomical basic of clinical practice*. 14th edition. Churchill Livingstone. Elsevier. London. 347-355

Timmusk T, *et a*., 1993. Multiple promoters direct tissue-specific expression of the Rat BDNF gene. *Neuron*. 10: 475-489

Tulving E. & Markowitsch H.J., 1998. Episodic and declarative memory role of the hippocampus. *Hippocampus*. 8(3): 198-204

Urzúa, Z.X., Trujillo, Huerta, M., Trujillo-Hernández, B., Ríos-Silva, M., Onetti, C., Ortiz-Mesina, M., Sánchez-Pastor E., 2012. Effects of Chronic Caffeine Administration on Blood Glucose Levels and on Glucose Tolerance in Healthy and Diabetic Rats. *The Journal of International Medical Research*. 40: 2220 – 2230

USFDA, 2012. *Report on Caffeinated Food and CBs. Caffeine Intake in the U.S. Population*. Diunduh dari http://www.fda.gov pada tanggal 9 September 2014

Van, C.D., Mueller, M., & Hamprecht, B., 1979. Adenosine regulates via two different types of receptors, the accumulation of cyclic AMP in cultured brain cells. *J. Neurochem*. 33: 999-1005

Vicini, S., 20018. The role of GABA and glutamate on adult neurogenesis. *J. Physiol.* 586 (16). 3737-3738

Wang, W., Pan, Y.W., Zou, J., Li, T., Abel, G.M., 2014. Genetic activation of ERK5 MAP kinase enhances adult neurogenesis and extends

hippocampus-dependent long-term memory.*J. Neuroscience.* 34(6):2130-47

Waterhouse, E.G., An, J.J., Orefice, L.L., Baydyuk, M., Liao, G.Y., Zheng, K., Lu, B., Xu, B., 2012. BDNF promotes differentiation and maturation of adult-born neurons through GABAergic transmission. *J Neurosci*. 32(41): 14318-30

Weinberg, B.A. & Bealer, B.K., 2001. The world of caffeine. *J Agric Food Chem*. 17: 9065-73

Went, C.T., & Magavi, S., 2009. Caffeine alter proliferation of neuronal precursors in adult hippocampus.neuropharmacology. *National Institutes of Health*. 56: 994-1000

Yeboah, F.A. & Sylvester, Y.O., 2013. Caffeine: The wonder compound, chemistry and properties. *Topical Series in Health Science 1 (TSHS-1)*. 37/661(2): 27-37

Yoshimura, H., 2005. The Potential of Caffeine for Functional Modification from Cortical Synapses to Neuron Networks in the Brain. *Current Neuro pharmacology*. 3: 309-316

,

Zainuddin, M., 2011. *Metodologi Penelitian Kefarmasian dan Kesehatan*. Surabaya: Airlangga University Press.

.