

DAFTAR PUSTAKA

- Alamsyah, 2007. Antioksidan dan Peranannya Bagi Kesehatan. <http://www.beritaiptek.com/zberita-beritaiptek-2007-01-23-Antioksidandan-peranannya-Bagi-Kesehatan.shtml>. Diakses tanggal 20 Januari 2016.
- Albert-Weißenberger, Várrallyay C, Raslan F, Kleinschnitz C, Sirén AL. An experimental protocol for mimicking pathomechanisms of traumatic brain injury in mice. *Exp Transl Stroke Med.* 2012;4:1.
- Algattas, H and Huang, JH. 2014. Traumatic Brain Injury Pathophysiology and Treatments: Early, Intermediate, and Late Phases Post-Injury. *Int J Mol Sci.* 2014 Jan; 15(1): 309–341. doi: 10.3390/ijms15010309. PMID: PMC3907812
- Arundina, I. 2003. Efek Anti Inflamasi Catechin pada Marmut dengan Metode Pembentukan Oedem yang Diinduksi Suspensi Karagenik. Fakultas Kedokteran Gigi, Universitas Airlangga
- Beauchamp, K; Haitham M; Wade R.S; Esther, S; and Philip F.S. 2008 Pharmacology of Traumatic Brain Injury: Where Is the “Golden Bullet”? *Mol Med.Nov-Dec; 14(11-12): 731–740.* doi: 10.2119/2008-00050.
- Berridge, MJ. 2012. Cell Stress, Inflammatory Responses and Cell Death. *Cell Signalling Biology.*11:1-6
- Bharrhan S, Koul A, Chopra K, Rishi P. 2011. Catechin Suppresses an Array of Signalling Molecules and Modulates Alcohol-Induced Endotoxin Mediated Liver Injury in a Rat Model. *PLoS ONE* 6(6): e20635. doi:10.1371/journal.pone.0020635
- Brain Trauma Foundation. 2007. Guidelines for the Management of Severe Tarumatic Brain Injury 3rd Edition.
- Brunelle, JK dan Letai, A. 2009.Control of mitochondrial apoptosis by the Bcl-2 family. *Journal of Cell Science.* 122: 437-441
- Centers for Disease Control and Prevention. Surveillance for Traumatic Brain Injury-Related Deaths-United States, 1997-2007. Dalam: *MMWR* 2011. Vol. 60. United States: CDC; 2011. Hal. 1-36.

- Chacko, S. M., Thambi, P. T., Kuttan, R. and Nishigaki, I. 2010. Beneficial effects of green tea: a literature review, *Chinnesse Medicine*, 5 (13).
- Chaturvedi, R. and Mishra, V. K. 2012. Studies on nutrient uptake and culture conditions for synthesis of caffeine, (+)-catechine, (-)-epicatechin and (-)-epigallocatechin gallate in anther derived haploid cell lines of tea [*Camellia sinensis* (L)], *J Biotechnol Biomater*, 2 (6).
- Chaudhary, M;Jai, D; Gawande, M; Patil, M. 2014. A Comparative Study between IHC in Frozen Sections and Formalin Fixed Sections and their Clinical Significance-A Retrospective Study. *Global Journal of Dentistry and Otolaryngology*
- Cohadon, F. (1995). The Concept of secondary Damage in Brain Trauma in Ischemia in Head Injury, Smith TCG ed. 10th European Congress of Neurosurgery, Proceeding of a Special Symposium, Berlin
- Cooper, PR. (1982). Post-traumatic intracranial mass lesions. Effect of Intracranial Hypertension on Evolution of Post Traumatic Acute Subdural Hematoma. *Intracranial Pressure VII*.
- Costelli, P; Aoki, P; Zingaro, B; Carbo, N; Reffo, P; Lopez-Soriano, F.J; Bonelli, G; Argiles, J.M; Baccino, F.M. Mice lacking TNFalpha receptors 1 and 2 are resistant to death and fulminant liver injury induced by agonistic anti-Fas antibody. *Cell Death Differ*. 2003;10:997–1004
- Dardiotis, E; Giamouzis, G; Mastrogiannis, D; Vogiatzi, C; Skoularigis, J; Triposkiadis, F; Hadjigeorgiou, G.M. Cognitive impairment in heart failure. *Cardiol. Res. Pract*. 2012
- Davis G, Marion D, George B, Hamel O, Turner M, McCrory P. (2009). Clinics in neurology and neurosurgery of sport: traumatic cerebral contusion. *British Journal of Sports Medicine*, 43:451-454
- DEPHUB. 2005. Kejadian Kecelakaan Lalulintas Di Indonesia. Laporan Kecelakaan dan Kejadian Khusus Lalulintas
- Depreitere B, Van Lierde C, Vander Sloten J, Van der Perre G, Van Audekercke R, Plets C, Goffin J. Lateral head impacts and protection of the temporal area by bicycle safety helmets. *J Trauma*. 2007 Jun;62(6):1440-5.

- Ekawati, K., Naniek, W., Mimiek, M. and Syarifatun, K. 2012. Pengaruh konsentrasi ekstrak etanolik daun teh hijau (*Camellia Sinesis L.*) dalam sediaan krim terhadap sifat fisik dan aktivitas antibakteri, *Sains Medika Journal of Health and Medicine*, 4 (2).
- Elmore S. 2007. Apoptosis: A Review of Programmed Cell Death. *Toxicologic Pathology*. 35:495–516
- Erdman, J., Oria, M. and Pillsbury, L. (eds). 2011. *Nutrition and Traumatic Brain Injury: Improving Acute and Subacute Health Outcome in Military Personnel*. Washington: The National Academies Press.
- Faria, A., Mateus, N. and Calhau, C. 2012. Flavonoid transport across blood-brain barrier: implication for their direct neuroprotective actions, *Nutrition and Aging*. 1: 89–97.
- Farooqui, A. A. 2012. *Phytochemical, Signal Transduction, and Neurological Disorder*. New York: Springer.
- Faul M, Xu L, Wald MM dan Coronado VG. 2010. Traumatic Brain Injury in The United States: *Emergency Department Visits, Hospitalizations and Death 2002-2006*.
- Figiel. 2008. Pro-inflammatory cytokine TNF-alpha as a neuroprotective agent in the brain *Acta Neurobiol. Exp. (Wars)*, 68. pp. 526–534
- Freytag E, Lindenberg R. 1957. Morphology of cortical contusions. *AMA Archives of Pathology*, 63:23-42
- Graham, D.& Gennarelli, T. 2000. Pathology of Brain Damage After Head Injury. In: Cooper, C. & Golfinos, j. (eds.) *Head injury*. 4 ed. New york: mc graw-hill inc.
- Gramza, A., Korczak, J. and Amarowicz, R. 2005. Tea Polyphenols–Their Antioxidant Properties and Biological Activity–a Review, *Pol. J. Food Nutr. Sci.* 14 (3): 219–235.
- Gu, L; House, SE; Wu, X; Ou, B; Prior, RL. 2006. Procyanidin and Catechin Contents and Antioxidant Capacity of Cocoa and Chocolate Products. Arkansas Children’s Nutrition Center, ARS-USDA, and Department of Physiology and Biophysics, University of Arkansas for Medical Sciences,

- Little Rock, Arkansas 72202; and Brunswick Laboratories, Wareham, Massachusetts. *J. Agric. Food Chem.* (54), 4057-4061
- Gunawijaya, F. A; Gandasentana, R; Wahyudi, K. 1999. Efek Pemberian Katekin Teh Hijau pada Pertumbuhan Tumor Kelenjar Susu Mencit Strain GR. Jakarta: Kedokteran Trisakti Vol.18 No. 2
- Hardman JM, Manoukian A. 2002. Pathology of head trauma. *Neuroimaging Clin N Am*, 12(2):175-187
- Hariman, L. 2010. Pengaruh Epigalokatekin Galat (EGCG) Teh Hijau (*Camella sinensis* L. Kuntz) Terhadap Derajat Penurunan Berat Badan Mencit Galur Swiss Webster Jantan Yang Diinduksi Kolitis Dengan Dextran Sulfate Sodium (DSS). Thesis, Universitas Kristen Maranatha
- Hariyani, Vitri. 2012. Laporan Epidemiologi Instalasi Gawat Darurat (IGD) RSUD Dr. Moewardi Surakarta dalam Cidera Kepala Berat (CKB) Di Instalasi Gawat Darurat (IGD) RSUD Dr. Moewardi Surakarta. Thesis, Universitas Muhammadiyah Surakarta
- Hartoyo, A. 2003. Teh dan Khasiatnya bagi Kesehatan. Penerbit Kanisius.
- Hartoyo, Arif. 2003. Teh dan Khasiatnya bagi Kesehatan. Penerbit Kanisius
- Head Injury, cooper PR, ed. Lippincott Williams & Wilkins: US
- Heroniaty. 2012. Sintesis Senyawa Dimer Katekin dari Ekstrak Teh Hijau Dengan Menggunakan Katalis Enzim Peroksidase dari Kulit Bawang Bombay (*Allium cepa* L.). Thesis. Magister Sains Ilmu Kimia. Fakultas MIPA. Universitas Indonesia
- Hoh NZ. 2008. *BCL-2 Genotypes and Outcomes After Traumatic Brain Injury*. University of Pittsburgh.
- Huang J, Perez-Burgos L, Placek BJ, Sengupta R, Richter M, Dorsey JA, Kubicek S, Opravil S, Jenuwein T, Berger SL (2006) Repression of p53 activity by Smyd2-mediated methylation. *Nature* 444: 629–632
- Huang PL. 2004. *Nitric oxide and cerebral ischemia preconditioning*. *Cell Calcium*. 36(3), 333-9.
- Imanulkhan, 2006. Karakterisasi “Edibel Film” Beraktivitas dari Pati Ganyong (*Canna Edulis Kerr*) dan Ekstrak Teh Hijau (*Camellia Sinensis*). Thesis

Jurusan Teknologi Hasil Pertanian, Fakultas Teknologi Pertanian,
Universitas Brawijaya

Indharty, S. 2007. Hasil Akhir Penderita dengan Diffuse Brain Injury yang Dirawat di Neurosurgical Critical Care Unit RS Hasan Sadikin, Bandung. *Majalah Kedokteran Nusantara* Volume 40. No. 4. Desember.

Indharty, S. 2013. Peran ACTH4-10PRO8-GLY9-PRO10 Dan Inhibitor HMG-COA Reduktase Dalam Peningkatan BCL-2 Dan BDNF Terhadap Hasil Akhir Klinis Penderita Kontusio Serebri. Disertasi. Program Doktor (S-3) Ilmu Kedokteran. Fakultas Kedokteran Universitas Sumatera Utara Universitas

Japardi 2004. Cedera Kepala: Memahami Aspek-Aspek Penting Pengelolaan Cedera Kepala. Jakarta: Buana Ilmu Populer.

Johnson VJ, Stewart JE, Begbie FD, Trojanowski JQ, Smith DH, Stewart W. 2013. *Inflammation and white matter degeneration persist for years after a single traumatic brain injury*. *Brain*. 36: 28–42

Kasan, U. 2006. Cedera Kepala Patofisiologi Penanganan dan Biomolekuler. Surabaya: Fak.Kedokteran-Unair;2006

Katergaris N, Dufficy L, Roach PD, Naumovski N. 2015. Green tea catechins as neuroprotective agents: systematic review of the literature in animal pre-clinical trials. *Adv Food Technol Nutr Sci Open J.*; 1(2): 48-57. doi: 10.17140/AFTNSOJ-1-108

Katergaris N, Dufficy L, Roach PD, Naumovski N. Green tea catechins as neuroprotective agents: systematic review of the literature in animal pre-clinical trials. *Adv Food Technol Nutr Sci Open J.* 2015; 1(2): 48-57.

Katsanos GS, Anogeianaki A, Orso C, *et al.* 2008. *Mast cells and chemokines*. *J Biol Regul Homeost Agents*. 22:145-51.

Khalatbary, A. R. 2014. Natural polyphenols and spinal cord injury, *Iranian Biomedical Journal*, 18 (3): 120–129.

Khalatbary, A. R. and Ahmadvand, H. 2011. Anti-Inflammatory Effect of the Epigallocatechin Gallate Following Spinal Cord Trauma in Rat, *IBJ*. 15 (1&2): 31–37.

- Lambert JD, Kim DH, Zheng R, Yang CS.J. Transdermal delivery of (-)-epigallocatechin-3-gallate, a green tea polyphenol, in mice. *Pharm Pharmacol.* 2006 May;58(5):599-604.
- Li HH, Lee SM, Cai Y, Sutton RL, Hovda DA. (2004). Differential gene expression in hippocampus following experimental brain trauma reveals distinct features of moderate and severe injuries. *J Neurotrauma*, 21(9):1141-1153
- Lucida, H. 2006. Determination of the ionization constants and the stability of catechin from gambir (*Uncaria gambir* (Hunter) Roxb), ASOPMS 12 International Conference, Padang November 2006
- Machfoed M.H. 2011. *Neurology update: the neuro-bio-molecular mechanisms of traumatic brain injury*. Pustaka cendekia press.
- Madikians A dan Giza CC. 2006. *A Clinician's Guide to the Pathophysiology of Traumatic Brain Injury*. *Indian Journal of Neurotrauma*.3(1):9-17
- Manach, C., Williamson, G., Morand, C., Scalbert, A. and Remesy, C. 2005. Bioavailability and bioefficacy of polyphenols in human, *Am J Clin Nutr.* 81 (suppl): 230S–242S.
- Mandel, S. and Youdim, M. B. H. 2004. Catechin polyphenols: Neurodegeneration and neuroprotection in neurodegenerative diseases, *Free Radical Biology and Medicine.* 37 (3): 304–317.
- Marmarou, A., Signoretti, S., Fatouros, P.P., Portella, G., Aygok, G.A. 2006. Predominance of Cellular Edema in Traumatic Brain Swelling in Patients with Severe Head Injuries. *J Neu rosurg* 104:720–730.
- Mauritz W, Wilbacher I, Majdan M, et al. 2008. *Epidemiology, Treatment and Outcome of Patients after Severe Traumatic Brain Injury in European Regions with Different Economic Status. The European Journal of Public Health.* 18:575-580.
- Meireles, Lindolfo da Silva; Simon, Daniel; Regner, Andrea. 2017. Neurotrauma: The Crosstalk between Neurotrophins and Inflammation in the Acutely Injured Brain. *Int. J. Mol. Sci.* 2017, 18(5), 1082

- Mesiano T, Soertidewi L, Jannis J, Al Rasyid. 2010. Perdarahan Subaraknoid Traumatik. Departemen Neurologi. Fakultas Kedokteran Universitas Indonesia. Rumah Sakit Cipto Mangunkusumo.
- Mohamed, Rasha H; Rehab A. Karamb, Mona G. 2011. Epicatechin attenuates doxorubicin-induced brain toxicity: Critical role of TNF- α , iNOS and NF- κ B. *AmercBrain Research Bulletin* 86.22– 28
- Nag, N; Jennifer M M; Cassandra G K P; Bonnie C W; Nancy H K; Joanne BS. 2009. Environmental enrichment alters locomotor behaviour and ventricular volume in Mecp21lox mice. *Behav. Brain Res.* 196, 44-48
- Nakagawa, K; Fujii, S; Ohgi, A; Uesato, S. 2005. Antioxidative Activity of 3-O-Octanol –(+)-Catechin, a Newly Synthesized Catechin, in Vitro. Department of Food and Nutrition, Kyoto Women's University. Japan. *Journal of Health Science*, 51(4), 492- 496
- Namas R, Ghuma A, Hermus L, Zamora R, Okonkwo DO, Billiar TR, Vodovotz Y. 2010. *The acute inflammatory response in trauma/hemorrhage and traumatic brain injury: current state and emerging prospects. LJM: 97-103.*
- Park E. Bell JD dan Baker AJ. 2008. *Traumatic brain injury: Can the consequences be stopped?. CMAJ.* 178(9):1163-70
- Paterniti, I., Genovese, T., Crisafulli, C., Mazzon, E., Di Paola, R., Galuppo, M., Bramanti, P. and Cuzzocrea, S. 2009. Treatment with green tea extract attenuates secondary inflammatory response in an experimental model of spinal cord trauma, *Naunyn-Schmiedeberg's Archives of Pharmacology.* 380 (2): 179–192.
- Paxinos, G. and Watson, C. 1997. *The Rat Brain in Stereotaxic Coordinates.* 3rd edn. San Diego: Academic Press.
- Paxinos, G. and Watson, C. 2006. *The Rat Brain in Stereotaxic Coordinates.* 6th edn. San Diego: Academic Press. Available at: <http://labs.gaidi.ca/rat-brain-atlas>.
- Prins, M., Greco, T., Alexander, D., Giza, C. 2013. The Pathophysiology of Traumatic Brain Injury at a Glance. *Disease Models & Mechanisms.* 6: 1307-1315

- Rahayuningsih, D. 2014. Pengaruh Suhu Dan Waktu Penyeduhan Teh Celup Terhadap Kadar Kafein. Thesis, Universitas Muhammadiyah Surakarta.
- Robert S.B. C, Larry Je, Hülya B, Patrick M. K. Biochemical, Cellular, and Molecular Mechanisms of Neuronal Death and Secondary Brain Injury in Critical Care. *Journal of Critical Care Medicine*. 2015
- Shohami E, Ginis I dan Hallenbeck JM. 1999. Tumor necrosis factor alpha in brain injury. *Cytokine & Growth Factor Reviews*.10:119-130.
- Smith, T. J. 2011. Green tea polyphenols in drug discovery—a success or failure?, *Expert Opin Drug Discov*. 6 (6): 589–595.
- Susanti, E., Ciptati, Ratnawati, R., Aulanni'am and Rudijanto, A. 2015. Qualitative analysis of catechins from green tea GMB-4 clone using HPLC and LC-MS/MS, *Asian Pac J Trop Biomed*. 5 (12): 1046–1050.
- Sutherland, B. A., Rahman, R. M. A. and Appleton, I. 2006. Mechanism of action of green tea catechins, with a focus on ischemia-induced neurodegeneration, *Journal of National Biochemistry*. 17: 291–306.
- Suzuki, M., Tabuchi, M., Ikeda, M., Umegaki, K. and Tomita, T. 2004. Protective effects of green tea catechins on cerebral ischemic damage, *Med Sci Monit*. 10 (6): 166-174.
- Tjokronegoro A, S. 2004. Metodologi penelitian bidang kedokteran. Edisi 5. Jakarta: FKUI
- Tourle, R.. 2004. *Camellia Sinensis (Tea)*. <http://www.museums.org.za/iziko>. 12 Januari 2016.
- Valadka AB, Narayan RK. 1996. Emergency room management of the head-injured patient. *Journal of Neurotrauma*, 119-135
- Wang Q, Sun AY, Simonyi A. 2005. Neuroprotective mechanisms of curcumin against cerebral ischemia-induced neuronal apoptosis and behavioral deficits. *J Neurosci Res*. 2005; 82(1): 138-148. doi: 10.1002/jnr.20610
- Vauzour, D. 2012. Dietary polyphenols as modulators of brain functions: Biological actions and molecular mechanisms underpinning their beneficial effects, *Oxidative Medicine and Cellular Longevity*.

- Weissenberger CA dan Siren AL. 2010. *Experimental traumatic brain injury*. Experimental & Translational Stroke Medicine. 2:16
- Werner C dan Engelhard K. 2007. *Pathophysiology of traumatic brain injury*. British Journal of Anaesthesia. 99 (1):4–9
- Wu, A. G., Z. Ying, and F. Gomez-Pinilla. 2010. Vitamin E protects against oxidative damage and learning disability after mild traumatic brain injury in rats. *Neurorehabilitation and Neural Repair* 24(3):290–298
- Xiong, Ye; Asim Mahmood and Michael Chopp. Animal models of traumatic brain injury. 2013 Macmillan Publishers Limited. VOLUME 14
- Yashin, A., Nemzer, B. and Yashin, Y. 2012. Bioavailability of tea components. *Journal of food research*, 1 (2): 281–290.
- Zasler ND, Katz DL dan Zafonte RD. 2007. *Brain Injury Medicine. Principles and Practice*. Demos Medical Publishing. 8 : 81-95.
- Zhang X, Chen Y, Jenkins LW, Kochanek PM, Clark RSB. 2005. Bench-to-bedside review: *Apoptosis/programmed cell death triggered by traumatic brain injury*. *Critical Care*. 9:66-75
- Zhang, Bo; Bing Wang, Shuhua Cao, and Yongqiang Wang. Epigallocatechin-3-Gallate (EGCG) Attenuates Traumatic Brain Injury by Inhibition of Edema Formation and Oxidative Stress. *Korean J Physiol Pharmacol* Vol 19: 491• |497,