

**DAFTAR PUSTAKA**

- Baird, L. & Dinkova-Kostova, A. T., 2011. The cytoprotective role of the Keap1-Nrf2 pathway. *Archives of Toxicology*, p. 241-272.
- Baker B. T., dkk., 2004. School-related stress and psychosomatic symptoms among Norwegian adolescents : *Annual Review of Psychology*.
- Barr, Johnny et al. 2007. Nicotine Induces Oxidative Stress and Activates Nuclear Transcription Factor Kappa B in Rat Mesencephalic Cells. *Molecular and Cellular Biochemistry.*, p. 93–99.
- Bashkatova V, Meunier J, Vanin A, Maurice T., 2006. Nitric oxide and oxidative stress in the brain of rats exposed in utero to cocaine. *Ann N Y Acad Sci*, p. 632–642.
- Bauman, B., Mikics E., Barsvari, B., and Haller, J., 2011. The long-term impact of footshock stress on addiction-related behavior in rats. *Neuropharmacology*, Vol. 60, p. 267-273.
- Benowitz, N.L., 2009. Pharmacology of Nicotine: Addiction, Smoking-Induced Disease, and Therapeutics. *Annu Rev Pharmacol Toxicol*, Vol. 49, p. 57–71.
- Brennan, K.A., Putt F., and Truman P., 2013. Nicotine-, tobacco particulate matter- and methamphetamine-produced locomotor sensitisation in rats. *Psychopharmacology*, Vol. 228, p. 659–672.
- Brennan, KA., Murray L., and Penelope T., 2014. Whole tobacco smoke extracts to model tobacco dependence in Animals. *Neuroscience and Biobehavioral Reviews* 47, *Elsevier Inc*, p. 53–69.
- Caille, S., Kelly C., Luis S., and Martine C., 2012. Modeling Nicotine Addiction in Rats. Firas H. Kobeissy (Ed.), *Psychiatric Disorders: Methods and Protocols*, *Methods in Molecular Biology*, Vol. 829, p. 243-256.

- Choi, J. A., Kim, J. Y., Lee, J. Y., Kang, C. M., Kwon, H. J., Yoo, Y. D., ... & Lee, S. J., 2001. Induction of cell cycle arrest and apoptosis in human breast cancer cells by quercetin. *International journal of oncology*, p. 837-844.
- Costello, M.R., Reynaga, D.D., Mojica, C.Y., Zaveri, N., Belluzzi, J.D., and Leslie, F.M., 2014. Comparison of the Reinforcing Properties of Nicotine and Cigarette Smoke Extract in Rats. *Neuropsychopharmacology*, Vol. 39, p. 1843–1851.
- D’Andrea, G. 2015. Quercetin: a flavonol with multifaceted therapeutic applications. *Fitoterapia*. p. 256-271.
- Dajas, F., Carriquiry, J.A., Arredondo, F., 2015. Quercetin in brain: potential and limits. *Neurochemistry International*. p. 140-148.
- Dong, Y., Wang, J., Feng, D., Qin, H., Wen, H., Yin, Z., Gao, G., & Li, C., 2014. Protective effect of quercetin against oxidative stress and brain edema in an experimental rat model of subarachnoid hemorrhage. *Journal of Medical Science*, p. 282-290.
- Dong, F., Wang, S., Wang, Y., 2017. Quercetin ameliorates learning and memory via the Nrf2-ARE signaling pathway in D-galactose-induced neurotoxicity in mice. *Biochemical and Biophysical Research Communication*. p. 636-641.
- Elattar, T. M., & Virji, A. S. 1999. Modulating effect of resveratrol and quercetin on oral cancer cell growth and proliferation. *Anti-cancer drugs*, p. 187-193.
- Eysenk, H.J., 1997. Addiction, personality, and motivation. *Human Psychopharmacology*, Vol. 12, p.79-87.
- Geiss, Otmar, & Dimitrios Kotzias, 2007. Tobacco, Cigarettes, and Cigarette Smoke. Italy: European Communities.

- Gellner, C.A., Reynaga, D.D., and Leslie, F.M., 2016. Cigarette Smoke Extract: A Preclinical Model of Tobacco Dependence Current Protocols in Neuroscience.
- Graefe, E. U., Wittig, J., Mueller, S., Riethling, A. K., Uehleke, B., Drewelow, B., ... & Veit, M. 2001. Pharmacokinetics and bioavailability of quercetin glycosides in humans. *The Journal of Clinical Pharmacology*, p. 492-499.
- Hansch C, Leo AJ. 1979. Substituent constant for correlation analysis in chemistry and biology. New York: Wiley.
- Harris, A.C., Mattson, C., Lesage, M.G., Keyler, D.E., and Pentel, P.R., 2010. Comparison of the behavioral effects of cigarette smoke and pure nicotine in rats. *Pharmacol.Biochem. Behav.*, Vol. 96, p. 217–227.
- Jang EY, Ryu YH, Lee BH, Chang SC, Yeo MJ, Kim SH, et al. 2015. Involvement of reactive oxygen species in cocaine-taking behaviors in rats. *Addict Biol.* p. 663–675.
- Jarial, R., Shard, A., Thakur, S., et al. 2017. Characterization of flavonoids from fern *Cheilanthes tenuifolia* and evaluation of antioxidant, antimicrobial and anticancer activities. *Journal of King Saud University*. p. 1-8
- Karačonji, Irena Brčić, 2005. Facts About Nicotine Toxicity. *Arh Hig Rada Toksikol*, Vol. 56, p. 363-371
- Kementerian Kesehatan Republik Indonesia. 2018. *Hasil Utama Riskesdas 2018*. Badan Penelitian dan Pengembangan Kesehatan. Jakarta: Kementerian Kesehatan RI.
- Khalki, H., Navailles, S., Piron, C.L., and De, D.P., 2013. A tobacco extract containing alkaloids induces distinct effects compared to pure nicotine on dopamine release in the rat. *Neurosci Lett*, Vol. 544, p. 85–88.

- Koob, G.F., Volkow, N.D., 2016. Neurobiology of addiction: a neurocircuitry analysis. *Lancet Psychiatry* 3, p. 760-773.
- Koob GF, Le Moal M. 1997. Drug abuse: hedonic homeostatic dysregulation. *Science*. p. 52–58.
- Koob, G.F. and Volkow, N.D., 2010. Neurocircuitry of Addiction. *Neuropsychopharmacology*, Vol 35, p. 217–238.
- Koob, G.F., Michael, A., Michel L.M., 2014. Introduction to the Neuropsychopharmacology of Drug Addiction, In *Drugs, Addiction, and the Brain* 1st Ed. *Elsevier Inc*, p. 45-59.
- Korotkova, T.M., Brown, R.E., Sergeeva, O.A., Ponomarenko, A.A. and Haas, H.L., 2006. Effects of arousal- and feeding-related neuropeptides on dopaminergic and GABAergic neurons in the ventral tegmental area of the rat. *European Journal of Neuroscience*, Vol. 23, p. 2677–2685.
- Kosen, S., Thabrany, H., Kusumawardani, N., and Martini, S., 2017. Health and Economic Costs of Tobacco in Indonesia: *Review of Evidence Series*. Jakarta.
- Kota, D., Martin, B.R., Robinson, S.E., and Damaj, M.I., 2007. Nicotine Dependence and Reward Differ Between Adolescent and Adult Male Mice. *J. Pharmacol. Exp. Ther*, Vol. 322, p. 399-407.
- Kovacic P., 2005. Unifying mechanism for addiction and toxicity of abused drugs with application to dopamine and glutamate mediators: electron transfer and reactive oxygen species. *Med Hypotheses*, p. 90–96.
- Lewis, A, Miller, J.H., Lea, R.A., 2007. Monoamine oxidase and tobacco dependence. *Neurotoxicology*, Vol. 28, p. 182–195.
- Li, Y., Zhou, S., Li, J., Sun, Y., Hasimu, H., Liu, R., & Zhang, T., 2014. Quercetin protects human brain microvascular endothelial cells from fibrillar  $\beta$ -amyloid 1–40-induced toxicity. *Acta Pharmaceutica Sinica B*, p. 47-54.

- Lide, D.R., G.W.A. Milne (eds.).1994. Handbook of Data on Organic Compounds. Volume I. 3rd ed. CRC Press, Inc. Boca Raton ,FL. , p. V2: 15-70.
- Lian, Tan Yen, & Ulysses Dorotheo, 2014. The ASEAN Tobacco Control Atlas, second Edition. Bangkok: Southeast Asia Tobacco ControlAlliance
- Maes M., Fisar Z., Medina M., et al. 2012. New drug targets in depression: inflammatory, cell-mediated immune, oxidative and nitrosative stress, mitochondrial, antioxidant, and neuroprogressive pathways. *Inflammopharmacology*. p. 127-150.
- Manzardo, A.M., Stein, L., and Belluzzi, J.D., 2002. Rats prefer cocaine over nicotine in a two-lever self-administration choice test. *Brain Res*. Vol. 924 No. 1, p. 10–19.
- Mc Gee, dkk. 2005. Is Cigarette Smoking Associated With Suicidal Ideation Among Young People : *The American Journal of Psychology*. Washington.
- Mello, N.K., and Newman, J.L., 2011. Discriminative and reinforcing stimulus effects of nicotine, cocaine, and cocaine + nicotine combinations in rhesus monkeys. *Exp Clin Psychopharmacol*, Vol. 19 No. 3, p. 203-214.
- Mycek, MJ., Harvey, RA., Champe, PC and Fisher, BD, 2001, *Farmakologi: Ulasan Bergambar, Edisi 2*, New Jersey, p. 101-103
- Nair, H. K., Rao, K. V., Aalinkeel, R., Mahajan, S., Chawda, R., & Schwartz, S. A. 2004. Inhibition of prostate cancer cell colony formation by the flavonoid quercetin correlates with modulation of specific regulatory genes. *Clinical and Diagnostic Laboratory Immunology*, p. 63-69.
- Nasution., 2007. Perilaku Merokok pada Remaja. Program Studi Psikologi Fakultas Kedokteran Universitas Sumatra Utara : Medan.

- Ogundajo, A.T., Imoru, J.O., & Asaolu, F.M., 2014. Quercetin potentiates hepatoprotective and antioxidant response to intraperitoneal, intravenous, subcutaneous and oral administration in wistar rats. *Asian Journal of Biomedical and Pharmaceutical Sciences*, p. 57-61.
- Picciotto, M.R., Zoli, M., Rimondini, R., Lena, C., Marubio, L.M., Pich, E.M., Fuxe, K., and Changeux, J.P., 1998. Acetylcholine receptors containing the beta2 subunit are involved in the reinforcing properties of nicotine. *Nature*, Vol. 391, p. 173-177.
- Pomierny-Chamiolo L, Moniczewski A, Wydra K, Suder A, Filip M., 2013. Oxidative stress biomarkers in some rat brain structures and peripheral organs underwent cocaine. *Neurotox Res*, p. 92–102.
- Prus, A.J., James, J.R. and Rosecrans, J.A., 2009. Chapter 4 Conditioned Place Preference. In: Buccafusco J.J. (Ed.). *Methods of Behavior Analysis in Neuroscience*, Ed. 2<sup>nd</sup>, Boca Raton (FL): CRC Press.
- Pryor, W.A.; Stone, K., 1993. Oxidants in cigarette smoke. Radicals, hydrogen peroxide, peroxyxynitrate and peroxyxynitrite. *Ann. NY Acad. Sci.*
- Richter, M., Ebermann, R., & Marian, B., 1999. Quercetin-induced apoptosis in colorectal tumor cells: possible role of EGF receptor signaling. *Nutrition and cancer*, p. 88-99.
- Riset Kesehatan Dasar (Riskesdas)*., 2010. Jakarta: Badan Litbangkes, Depkes RI, 2010.
- Riset Kesehatan Dasar (Riskesdas)*., 2018. Jakarta: Badan Litbangkes, Depkes RI, 2018.
- Roger, S.W., Thomas J.G., and Timothy B.B., 2008. Mouse Models and the Genetic of Nicotine Dependence. U.S. Department of Health and Human Services, National Institutes of Health.
- Rothwell, J.A., Day, A.J., & Morgan, M.R.A., 2005. Experimental

- determination of octanol – water partition coefficients of quercetin and related flavonoids. *Journal Agricultural and Food Chemistry*, p. 4355-4360.
- Sadock, Benjamin J, and Virginia A. Sadock., 2010. *Kaplan dan Sadock Buku ajar Psikiatri Klinis* ed 2. Jakarta: EGC. p. 667-672.
- Seidell, A., 1941. *Solubilities of Organic Compounds*. NY,NY : d. Van Norstand Co. Inc.
- Singh, S.,Vrishni, S., Singh, B. K., et al., 2010. Nrf2-ARE stres response mechanism: a control point in oxidative stres-mediated dysfunctions and chronic inflammatory disease. *Free Radical Research*, p. 1267-1288
- Small, E., Shah, H.P., Davenport, J.J., Geier, J.E., Yavarovich, K.R., Yamada H., and Bruijnzeel, A.W., 2010. Tobacco smoke exposure induces nicotine dependence in rats. *Psychopharmacology (Berl)*, Vol. 208 No. 1, p. 143-158.
- Smet, B. 1994. *Psikologi Kesehatan*. Semarang: PT. Gramedia.
- Srivastava, S., Somasagara, R. R., Hegde, M., Nishana, M., Tadi, S. K., Srivastava, M., ... & Raghavan, S. C., 2016. Quercetin, a natural flavonoid interacts with DNA, arrests cell cycle and causes tumor regression by activating mitochondrial pathway of apoptosis. *Scientific reports*.
- Suckow, M. A., Danneman, P., and Brayton, C. 2001. *The Laboratory Mouse*. New York: CRC Press.
- Sweetman, Sean, C. 2009. *Martindale The Complete Drug Reference 36th Ed*. Pharmaceutical Press, p. 86
- U.S. Department of Health and Human Services., 2010. *How Tobacco Smoke Causes Disease: The Biology and Behavioral Basis for Smoking-Attributable Disease: A Report of the Surgeon General*. Chapter 3. U.S. Department of Health and Human Services, Centers

for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, Atlanta.

- Wahyuni, S. 2012. Penetapan Kadar Nikotin dalam Rokok Putih yang Beredar di Makassar. Skripsi. Universitas Islam Negeri Alauddin. Makassar.
- Wanat, M. J., Hopf, F. W., Stuber, G.D., Phillips, P. E. M. and Bonci, A., 2008. Corticotropin-releasing factor increases mouse ventral tegmental area dopamine neuron firing through a protein kinase C-dependent enhancement of Ih. *The Journal of Physiology*. p. 2157–2170.
- Wang, G., Zhang, J., Liu, L., Sharma, S., & Dong, Q., 2012. Quercetin potentiates doxorubicin mediated antitumor effects against liver cancer through p53/Bcl-xl. *PloS one*.
- Webb, J.L., Ravikumar, B., & Atkins, J., 2003. Alpha-synuclein is degraded by both autophagy and the proteasome. *Journal of Biology Chemical*, p. 25009-25013.
- Wilar, G., & Shinoda, Y. 2018. Inhibition of Nicotine Dependence by Curcuminoid Is Associated with Reduced Acetylcholinesterase Activity in the Mouse Brain. p. 223–232.
- World Health Organization., 2012. World Health Statistic. World Health Organization.
- World Health Organization, 2018. Factsheet 2018 Indonesia. World Health Organization.
- Yoshida, M., Sakai, T., Hosokawa, N., Marui, N., Matsumoto, K., Fujioka, A., ... & Aoike, A. 1990. The effect of quercetin on cell cycle progression and growth of human gastric cancer cells. *FEBS letters*, p. 10-13.



- Zainuddin, M. 2014. *Metodologi Penelitian Kefarmasian dan Kesehatan*.  
Surabaya: Airlangga University Press.
- Zheng, Rong, Patricio V. Marquez, Abdillah Ahsan, Yang Wang, & Xiao Hu., 2018. Cigarette Affordability in Indonesia 2002-2017.  
Washington DC: World Bank Group
- Zheng, S. Y., Li, Y., Jiang, D., Zhao, J., & Ge, J. F., 2012. Anticancer effect and apoptosis induction by quercetin in the human lung cancer cell line A-549. *Molecular medicine reports*, p. 822-826.