

DAFTAR REFERENSI

- Agarawal, A. & Alamaneni, S.S.R., 2004. Role of Free Radical in Female Reproductive Disease and Assisted Reproduction. *Reproductive BioMedicine Online*, 9(3), pp.338-3347.
- Amirudin, R., 2006. *Fisiologi dan Biokimiawi Hati. Dalam: Buku Ajar Ilmu Penyakit Dalam. Jilid II. Edisi IV.* Jakarta: Balai Penerbit FKUI. 417.
- Arhoghro, E.M., Ekpo, K.E. & Ibeh, G.O., 2009. Effect of Aqueous Extract of Scent Leaf (*Ocimum gratissimum*) on Carbon Tetrachloride (CCl₄) Induced Liver Damage in Albino Wister Rats. *African Journal of Pharmacy and Pharmacology*, 3(11), pp.562-567.
- Badan POM RI., 2010. *Sentra Informasi Keracunan (SIKerNas) Pusat Informasi Obat dan Makanan.* Jakarta: Badan POM RI.
- Bender, D.A. 2009. *Free radicals an Antioxidant Nutrients.* In: Murray, K., Bender, D.A., Botham, K.M. et al. Eds. *Harper's Illustrated Biochemistry*, Ed 28th. Mc Graw Hill Lange.
- Bold, C.H., 1980. *Morphology of Plants and Fungi, 4th edition.* San Antonio: Harper International Edition.
- Bold, H.C. & Wynne, M.J., 1985. *Introduction to the Algae.* New Jersey: Prentice-Hall.
- Botros, M. & Sikaris, K.A., 2013. The De Ritis Ratio: The Test of Time. *Clin Biochem Rev*, 34, pp.117-130.
- Choo, T.C. & Choo, H.L., 2004. *Chlorella Nature's Miraculous Gift to Mankind.* Selangor: Uniwellness Resources.
- Derelanko, M.J. & Auletta, C.S., 2014. *Handbook of Toxicology Third Edition.* New York: CRF Press, Taylor & Francis Group.
- Droge, W., 2009. Free Radicals in The Physiological Control of Cell Function. *Physiol Rev*, 82, pp.47-95.
- Guarnieri, M.T., Laurens, L.M., Knoshaug, E.P., Chou, Y.C., Donohoe, B.S. & Pienkos, P.T., 2012. *Complex System Engineering: A Case Study for An Unsequenced Microalga.* In: Patnaik R (ed) *Engineering Complex phenotypes in Industrial Strains.* New York: Wiley.
- Gurung, R.B., Purbe, B., Gyawali, P. & Risal, P., 2013. The Ratio of Aspartate Aminotransferase to Alanine Aminotransferase (AST/ALT): the Correlation of Value with Underlying Severity of Alcoholic Liver Disease. *Kathmandu University Medical Journal*, 11(3), pp.233-236.

- Halliwell, B. & Whiteman, M., 2004. Measuring Reactive Species and Oxidative Damage in vivo and in cell Culture: How Should You Do It and What Do The Results Mean. *Br J Pharm*, 142, pp.231-255.
- Handoko, L., 2005. Pengaruh Ekstrak Daun *Apium graveolens* Terhadap Perubahan SGOT/SGPT Tikus Wistar Jantan yang dipapar Karbon Tetraklorida. *Artikel Karya Tulis Ilmiah*. Semarang: Fakultas Kedokteran Universitas Diponegoro.
- Harborne, J.B., 1987. *Metode Fitokimia Penuntun Cara Modern Menganalisis Tumbuhan Ed.2*. Bandung: ITB.
- Hasegawa, T., Noda, K., Kumamoto, S., Ando, Y., Yamada, A. & Yoshikai, Y., 2000. *Chlorella vulgaris* Culture Supernatant (CVS) Reduces Psychological Stress-induced Apoptosis in Thymocytes of Mice. *Int J Immunopharmacology*, 22, pp.877-885.
- Hasegawa, T., Okuda, M. & Makino, M., 1995. Hot Water Extracts of *Chlorella vulgaris* Reduce Opportunistic Infection with *Listeria monocytogenes* in C57BL/6 Mice Infected with LP-BM5 Murine Leukemia Viruses. *International Journal of Immunopharmacology*, 17, pp.505-512.
- Isnansetyo, A. & Kurniastuty., 1995. *Teknik Kultur Phytoplankton Zooplankton: Pakan Alam untuk Pembenihan Organisme Laut*. Yogyakarta: Kanisius.
- Janakat, S. & Al-Merie, H., 2003. Optimization of the Dose and Route of Injection, and Characterization of the time Course of Carbon Tetrachloride-induced Hepatotoxicity in the Rat. *J. Pharm. Tox. Methods*, 48, pp.41-44.
- Jia, N., Liu, X., Wen, J., Qian, L., Qian, X., Wu, Y. & Fan, G.A., 2007. Proteomic Method for Analysis of CYP450s Protein Expression Changes in Carbon Tetrachloride Induced Male Rat Liver Microsomes. *Toxicology*, 237, pp.1-11.
- Kim, H.K., Lee, L.L.H., Park, M., Bilehal, D., Li, W. & Kim, Y.H., 2009. Protective Effects of *Chlorella vulgaris* Extract on Carbon Tetrachloride-induced Acute Liver Injury in Mice. *Food Sci. Biotechnol*, 18(5), pp.1186-1192.
- Konishi, F., Tanaka, K., Himeno, K., Taniguchi, K. & Nomoto, K., 1985. Antitumor Effect Induced by A Hot Water Extract of *Chlorella vulgaris* (CE): Resistance to Meth-A Tumor Growth Mediated by CE-induced Polymorphonuclear Leukocytes. *Cancer Immunol Immunother*, 19, pp.73-78.
- Laurence, D.R. & Bacharach, A.L., 1964. *Evaluation of Drug Activities: Pharmacometrics, 1th ed*. London: Academic Press.
- Lee, C.H., Park, S.W., Kim, Y.S., Kang, S.S., Kim, J.A., Lee, S.H. & Lee, S.M., 2007. Protective Mechanism of Glycyrrhizin on acute Liver Injury Induced By Carbon Tetrachloride in Mice. *Biol. Pharm. Bull*, 30, pp.1898-1904.
- Lu, F.C., 1995. *Toksikologi Dasar: Asas, Organ Sasaran, dan Penilaian Risiko. Edisi kedua*. Jakarta: Universitas Indonesia Press.

- Mehta, S.K. & Gaur, J.P., 1999. Heavy-metal-induced Praline Accumulation and Its Role in Ameliorating Metal Toxicity in *Chlorella vulgaris*. *New Phytol*, 143, pp.253-259.
- Morris, H.J., Almares, A., Carrill, O. & Bermudez, R.C., 2008. Utilisation of *Chlorella vulgaris* Cell Biomass for the Production of Enzymatic Protein Hydrolysates. *Bioresource Technol*, 99, pp.7723-7729.
- Mukti, N.A., Sulaiman, S., Saad, S.M., Junaida, M.H., Basari, M.A., Rahman, W.Z.W., Ngah, & Yusof, Y.A.M., 2009. *Chlorella vulgaris* Menunjukkan Kesan Antioksidan dan Antitumor Terhadap Kanser Hepar dalam Kajian in vivo dan in vitro. *Sains Malaysiana*, 38(5), pp.773-784.
- Muriel, P. & Arauz, J.. 2012. *Coffee and Liver Health*. Delhi: IFT Wiley-Blackwell, pp.128-129.
- Nasution, A.Y., Adi, P. & Santosa, P.A., 2015. Pengaruh Ekstrak Propolis terhadap Kadar SGOT (*Serum Glutamic Oxaloacetic Transaminase*) dan SGPT (*Serum Glutamic Pyruvic Transaminase*) pada Tikus Putih (*Rattus norvegicus*) Galur Wistar dengan Diet Tinggi Lemak. *Majalah Kesehatan FKUB*, 2(3), pp.120-126.
- Noda, K., Ohno, N., Tanaka, K., Kamiya, N., Okuda, M., Yadomae, T., Nomoto, K. & Shoyama, Y., 1996. A Water-Soluble Antitumor Glycoprotein from *Chlorella vulgaris*. *Planta Med*, 62, pp.423-426.
- Nuno, K., Villarruel-Lopez, A., Puebla-Perez, A.M., Romero-Velarde, E., Pueble-Mora, A.G. & Ascencio, F., 2013. Effects of the Marine Microalgae *Isochrysis galbana* and *Nannochloropsis oculata* in Diabetic Rats. *Journal of Functional Foods*, 5, pp.106-115.
- Otles, S. & Pire, R., 2001. Fatty Acid Composition of *Chlorella* and *Spirulina* Microalgae Species. *Journal of AOAC International*, 84, pp.1708-1714.
- Pang, S., Xin, X. & Spierre, M.V., 1992. Determinants of Metabolic Disposition. *Annu Rev Pharmacol Toxicol*, 32, pp.625-626.
- Panjaitan, R.G.P., E., Handharyani, Chairul, Masriani, Z., Zakiah, & W., Manalu., 2009. Pengaruh Pemberian Karbon Tetraklorida Terhadap Fungsi Hati dan Ginjal Tikus. *Makara Kesehatan*, 11(1), pp.11-16.
- Patnaik, S., Samocha, T.M., Davis, D.A., Bullis, R.A. & Browdy, C.L., 2006. The Use of HUFA-rich Algal Meals in Diets for *Litopenaeus vannamei*. *Aquaculture Nutrition*, 12, pp.395-401.
- Peng, H.Y., Chu, Y.C., Chen, S.J. & Chou, S.T., 2009. Hepatoprotection of *Chlorella* against Carbon Tetrachloride-induced Oxidative Damage in Rats. *in vivo*, 23, pp.747-754.
- Pratiwi, S., Durry, M.F. & Kairupan, C., 2016. Gambaran Histopatologik Hati Tikus Wistar yang Diberi Minuman Kopi Pasca Induksi Karbon Tetraklorida (CCl₄). *Jurnal e-Biomedik*, 4(1).

- Priyanto. 2009. *Toksikologi: Mekanisme, Terapi Antidotum, dan Penilaian Resiko*. Depok: Lembaga Studi dan Konsultasi Farmakologi..
- Robles, R., Palomino, N. & Robles, A., 2001. Oxidative Stress in the Neonate. *Early Human Dev*, 65, pp.575-581.
- Setiawan, B. & E. Suhartono., 2007. Peroksidasi Lipid dan Penyakit Terkait Stres Oksidatif pada Bayi Prematur. *Majalah Kedokteran Indonesia*, 57(1), pp.10-14.
- Shibata, S., Natori, Y., Nishihara, T., Tomisaka, K., Matsubara, K., Sanawa, H. & Nguyen, V.C., 2003. Antioxidant and Anticataract effect of Chlorella on rats with Streptozotocin-induced Diabetes. *Journal of Nutritional Science and Vitaminology*, 49, pp.334-339.
- Singh, A., Bhat, T.K. & Sharma, O.P., 2011. Clinical Biochemistry of Hepatotoxicity. *J. Clinic Toxicol*, 1, pp.1-19.
- Skaloud, P., 2007. Image gallery of CAUP strains, Czech Republic. http://botany.natur.cuni.cz/algo/CAUP/H1998_Chlorella_vulgaris.htm [online], diakses tanggal 26 Maret 2017, 12:47.
- Srinivasan, K. & Ramarao, P., 2007. Animal Models in Type 2 Diabetes Research: An Overview. *Indian J Med Res*, pp.451-472.
- Takeda, H., 1991. Sugar Composition of the Cell Wall and the Taxonomy of *Chlorella* (Chlorophyceae). *J Phycol*, 27, pp.224-232.
- Takeuchi, T., Lu, J., Yoshizaki, G. & Satoh, S., 2002. Effect on the Growth and Body Composition of Juvenile Tilapia *Oreochromis niloticus* fed raw Spirulina. *Fish-Series Science*, 68, pp.34-40.
- Tang, G. & Suter, P.M., 2011. Vitamin A, Nutrition, and Health Values of Algae: Spirulina, Chlorella, and Dunaliella. *Journal of Pharmacy and Nutrition Sciences*, 1(2), pp.111-118.
- Tsao, R. & Deng, Z., 2004. Separation Procedures for Naturally Occuring Antioxidant Phytochemicals. *Journal of Chromatography*, 812, pp.85-99.
- Ward, F.M. & Daly, M.J., 2000. *Hepatitis Disease*. in Halber, R. & Edwards, C. (Eds). *Clinical Pharmacy and Therapeutics. 2nd Ed*. Churchill Livingstone: Edinburgh. 197.
- Weber, L.W.D., Boll, M. & Stampfl, A., 2003. Hepatotoxicity and Mechanism of Action of Haloalkanes: Carbon tetrachloride ad A Toxicological Model. *Crit. Rev.Toxicol*, 33, pp.105-136.
- Werdahasari, A., 2014. Peran Antioksidan Bagi Kesehatan. *Jurnal Biotek Medisiana Indonesia*, 3(2), pp.59-68.
- Widayati, E. 2017. Oksidasi Biologi, Radikal Bebas, dan Antioxidant. *Jurnal UNISSULA* [online], diakses pada 11 Juni 2017 01:57.

- Widmann, F.K., 1995. *Tinjauan Klinis atas Hasil Pemeriksaan Laboratorium Edisi 9*. Jakarta: Penerbit Buku Kedokteran EGC.
- Williamson, E.M., Okpako, D.T. & Evans, F.J., 1996. *Pharmacological Methods in Phytotherapy Research Selection Preparation and Pharmacological Evaluation in Plant Material*. London: John Wiley & Sons Ltd. pp.47-66.
- Wu, L.C., Ho, J.A., Shieh, M.C. & Lu, I.W., 2005. Antioxidant and Antiproliferative Activities of *Spirulina* and *Chlorella* Water Extracts. *Journal Agr. Food Chem*, 53, pp.4207-4212.
- Yamaguchi, K., 1996. Recent Advances in Microalgal Bioscience in Japan, with Special Reference to Utilization of Biomass and Metabolites: A Review. *Journal of Applied Phycology*, 8, pp.487-502.
- Yang, Y.S., Ahn, T.H., Lee, J.C., Moon, C.J., Kim, S.H., Jun, W.J., Park, S.C., Kim, H.C. & Kim, J.C., 2008. Protective Effects of Pycnogenol on Carbon Tetrachloride-induced Hepatotoxicity in Sprague-Dawley Rats. *Food Chem. Toxicol.* 46, pp.380-387.
- Zahir, F.N., 2011. Peningkatan Produksi Biomassa *Chlorella vulgaris* Dengan Perlakuan Mikrofiltrasi Pada Sirkulasi Aliran Medium Kultur Sebagai Bahan Baku Biodiesel. *Skripsi*. Fakultas Teknik: Universitas Indonesia.