

DAFTAR PUSTAKA

- Bataller, R., & Brenner, D.A. 2005. Liver fibrosis. *The Journal of Clinical Investigation*, 115 (2): 209-218.
- Boll, M., Weber, L.W.D., Becker, E., & Stampfl, A. 2001. Mechanism of carbon tetrachloride-induced hepatotoxicity. Hepatocellular damage by reactive carbon tetrachloride metabolites. *Z Naturforsch C*, 56(7-8): 649-659.
- Boyd, C., Statham, N., & Longo, N.S. 1979. The pulmonary clara cell as a target for toxic chemicals requiring metabolic activation studies with carbon tetrachloride. *J. Pharmacol. Exp. Ther.*, 212: 109-114.
- Byass, P. 2014. The global burden of liver disease: a challenge for methods and for public health. *BMC Medicine*, 12(1): 1-3.
- Cahyono, J.B., & Suharjo, B. 2009. *Hepatitis A*, edisi 1. Yogyakarta: Kanisius.
- Christa V.T.M. 2003. *Organ Physiology from Phenomenological point of view. Driebergen*. Louis Bolk Institut.
- Colby, H.D., & Eacho, P.I. 1985. Chemical-induced adrenal injury: role of metabolic activation, in Thomas, J.A., *Endocrine toxicol*. New York: Raven Press.
- Elpek, G.Ö. 2014. Cellular and molecular mechanisms in the pathogenesis of liver fibrosis: An update. *World Journal of Gastroenterology*, 20(23): 7260-7276.
- Eminler, A.T., Ayyildiz, T., Irak, K., Kiyici, M., Gurel, S., Dolar, E., et al. 2015. AST/ALT ratio is not useful in predicting the degree of fibrosis in chronic viral hepatitis patients. *European Journal of Gastroenterology & Hepatology*, 27(12): 1361-1366.
- Fallatah, H.I. 2014. Noninvasive Biomarkers of Liver Fibrosis : An Overview. *Advances in Hepatology*, 2014(8): 20-22.
- Farah, A., Mariana, M., Carmen, M.D., & Sophie, L. 2008. Chlorogenic acids from green coffee extract are highly bioavailable in humans. *J. Nutr.*, 138: 9-15.
- Farah, A., & Duarte, G. 2014. Bioavailability and Metabolism of Chlorogenic Acids from Coffee. *Coffee in Health and Disease Prevention*, 87: 789-801.
- Fauci, A.S., Braunwald, E., Kasper, D.L., Hauser, S.L., Longo, D.L., Lameson, J.L., et al. 2008. *Harrison's principles of internal medicine*, 17th edition. New York: McGraw-Hill.
- Friedman, S.L., Roll, F.J., Boyles, J., & Bissell, D.M. 1985. Hepatic lipocytes: the principal collagen-producing cells of normal rat liver. *Proceedings of the National Academy of Sciences of the United States of America*, 82(24): 8681-8685.
- Friedman, S.L., & Arthur. 2002. Hepatic Fibrosis- role of Hepatic Stellate Cell Activation. *Med. Gen. Med.*, 4: 27.
- Friedman, S.L., Rockey, D.C., & Bissell, D.M. 2006. Hepatic fibrosis: report of the third AASLD single topic conference. *Hepatology*, 45: 2-9.
- Friedman, S.L. 2010. Mechanism of Hepatic Fibrogenesis. *J. Gastroenterol.*, 134(6): 1655-1669.
- Gandhi, C.R. 2012. Oxidative Stress and Hepatic Stellate Cells: A Paradoxical Relationship. *Trends Cell Mol Biol.*, 7: 1-10.

- Gerberding, J.L. 2005. *Toxicological profile carbon tetrachloride*. United States: Department of Health and Human Services.
- Giannini, E.G., Testa, R., & Savarino, V. 2005. Liver enzyme alteration: a guide for clinicians. *CMAJ*, 172 (3): 367-379.
- Gonthier, M.P., Marie, A.V., Catherine, B., Christian, R., & Augustin, S. 2003. Chlorogenic acid bioavailability largely depends on metabolism of the gut microflora in rats. *J. Nutr.*, 133: 58-59.
- Gowda, S., Desai, P.B., Hull, V.V., Math, A.A.K., Vernekar, S.N., & Kulkarni, S.S. 2009. A review on laboratory liver function tests. *The Pan African Medical Journal*, 3: 17.
- Gressner, A.M., Weiskirchen, R., Breitkopf, K., & Dooley, S. 2002. Roles of TGF- β in hepatic fibrosis. *Frontiers in Bioscience*, 7: 793-807.
- Guéchet, J., Boisson, R.C., Zarski, J.P., Sturm, N., Calès, P., & Lasnier, E. 2013. AST/ALT ratio is not an index of liver fibrosis in chronic hepatitis C when aminotransferase activities are determinate according to the international recommendations. *Clinics and Research in Hepatology and Gastroenterology*, 37(5): 467-472.
- Gwaltney-Brant, S.M. 2016. Nutraceuticals in hepatic diseases. *Nutraceuticals: Efficacy, Safety and Toxicity*, 87-99.
- Junieva, P.N. 2006. *Pengaruh Pemberian Ekstrak Meniran (Phyllanthus sp.) Terhadap Gambaran Mikroskopik Paru Tikus Wistar yang Diinduksi Karbon Tetraklorida*. Semarang: Fakultas Kedokteran Universitas Diponegoro.
- Kementerian Kesehatan RI. 2013. *Riset Kesehatan Dasar*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI.
- Krisnasari, A. S. 2017. *Pengaruh Pemberian Asam Klorogenat (cga) pada Model Fibrosis Hepar Karena Induksi Karbon Tetraklorida (ccl 4) Pada Mencit (kajian Terhadap Fraksi Area Miofibroblas, Ekspresi Hepatocyte Growth Factor (hgf) Dan Kadar Sgpt Sgot)*. Tesis, Universitas Gadjah Mada.
- Li, X.M., Peng, J.H., Sun, Z.L., Tian, H.J., Duan, X.H., Liu, L., et al. 2016. Chinese medicine CGA formula ameliorates DMN-induced liver fibrosis in rats via inhibiting MMP2/9, TIMP1/2 and the TGF- β /Smad signaling pathways. *Acta Pharmacologica Sinica*, 37(6): 783-793.
- Liang, N., & Kitts, D.D. 2015. Role of chlorogenic acids in controlling oxidative and inflammatory stress conditions. *Nutrients*, 8(1): 1-20.
- Olthof, M.R., Hollman, P.C.H., Buijsman, M.N.C.P., Van, A.J.M.M., & Katan, M.B. 2003. Chlorogenic acid, quacertin-3-rutinoside and black tea phenol are extensively metabolized on humans. *J. Nutr.*, 133: 6-14.
- Popov, Y., & Schuppan, D. 2009. Targeting liver fibrosis: Strategies for development and validation of antifibrotic therapies. *Hepatology*, 50(4): 1294-1306.
- Pradnyantari, A.A.S.I. 2016. *Aktivitas Enzim Alanine Aminotransferase (ALT) Dan Aspartate Aminotransferase (AST) Tikus Putih (Rattus norvegicus) Jantan Yang Diberi Ekstrak Buah Pinang (Areca catechu L.)*. Skripsi, Universitas Udayana.
- Price, S.A., & Wilson, L.M. 1995. *Buku 1 Patofisiologi "Konsep Klinis Proses-Proses Penyakit"*, edisi 4. Jakarta : EGC.

- Price, S.A., & Wilson, L.M. 2006. *Patofisiologi Konsep Klinis Proses Penyakit*, edisi 6. Jakarta: EGC.
- Rizzo, D.C. 2001. *Delmar's Fundamentals of Anatomy & Physiology*. Clifton Park, New York: Delmar, Cengage Learning.
- Sacher, R.A., & McPherson, R.A. 2004. *Tinjauan klinis hasil pemeriksaan laboratorium*, edisi 11. Jakarta: EGC, pp: 12, 287-290, 293-295.
- Salisbury, F.B., & Ross, C.W. 1995. *Fisiologi Tumbuhan, Jilid 2*. penerjemah: Lukman DR, Sumaryono. Bandung: Penerbit ITB. ISBN 979-8591-27-5. pp: 145-147.
- Sato, Y., Shiro, I., Toshimitsu, K., Jiro, O., Masaki, K., Takeshi, H., et al. 2010. In Vitro and In Vivo Antioxidant Properties of Chlorogenic Acid and Caffeic Acid. *Int. J. Pharmaceutics*, 403: 36-38.
- Shi, H., Dong, L., Bai, Y., Zhao, J., Zhang, Y., & Zhang, L. 2009. Chlorogenic acid against carbon tetrachloride-induced liver fibrosis in rats. *European Journal of Pharmacology*, 623(1-3):119-124.
- Shi, H., Dong, L., Jiang, J., Zhao, J., Zhao, G., Dang, X., et al. 2013. Chlorogenic acid reduces liver inflammation and fibrosis through inhibition of toll-like receptor 4 signaling pathway. *Toxicology*, 303: 107-114.
- Shi, H., Dong, L., Dang, X., Liu, Y., Jiang, J., Wang, J., et al. 2013. Effect of chlorogenic acid on LPS-induced proinflammatory signaling in hepatic stellate cells. *J. Gastroenterol.*, 62(6): 5-7.
- Shi, H., Shi, A., Dong, L., Lu, X., Wang, Y., Zhao, J., et al. 2016. Chlorogenic acid protects against liver fibrosis in vivo and in vitro through inhibition of oxidative stress. *Clinical Nutrition*, 35(6): 1366-1373.
- Snells, R.S. 2006. *Anatomi Klinik untuk Mahasiswa Kedokteran*, edisi 6. Jakarta: EGC.
- Starkel, P., & Leclercq, I.A. 2011. Animal models for the study of hepatic fibrosis. *Best Practice and Research: Clinical Gastroenterology*, 25(2): 319-333.
- Tappi, E.S., Lintong, P., & Loho, L.L. 2013. Gambaran Histopatologi Hati Tikus Wistar Yang Diberikan Jus Tomat (*Solanum Lycopersicum*) Pasca Kerusakan Hati Wistar Yang Diinduksi Karbon Tetraklorida (CCl₄). *Jurnal e-Biomedik (eBM)*, 1(3): 26-27.
- Tsai, M.L., Tsai, S.P., & Ho, C.T. 2017. Tetrahydrocurcumin attenuates carbon tetrachloride-induced hepatic fibrogenesis by inhibiting the activation and autophagy of hepatic stellate cells. *Journal of Functional Foods*, 36: 418-428.
- Wang, Y., Yang, F., Xue, J., Zhou, X., Luo, L., Ma, Q., et al. 2016. Antischistosomiasis Liver Fibrosis Effects of Chlorogenic Acid through IL-13/miR-21/Smad7 Signaling Interactions *In Vivo* and *In Vitro*. *Antimicrob Agents Chemother*, 61(2): e01347-16.
- Wells, R.G. 2002. Collagen and other extracellular matrix proteins ECM proteins in the fibrotic liver Structure and key features of specific ECM proteins. *Clinical Biochemistry*, 100: 264-273.
- World Health Organization. 1999. *Carbon tetrachloride IPCS- environmental health criteria*. Geneva: WHO.

- Wu, D., Bao, C., Li, L., Fu, M., Wang, D., Xie, J., & Gong, X. 2015. Chlorogenic acid protects against cholestatic liver injury in rats. *Journal of Pharmacological Sciences*, 129(3): 177-182.
- Xu, Y., Chen, J., Yu, X., Tao, W., Jiang, F., Yin, Z., et al. 2010. Protective effects of chlorogenic acid on acute hepatotoxicity induced by lipopolysaccharide in mice. *Inflammation Research*, 59(10): 871-877.
- Yang, M., Wang, C., Liao, P., Yen, C., & Shan Y. 2014. Hepatic stellate cells secretes type I collagen to trigger epithelial mesenchymal transition of hepatoma cells. *Am J Cancer Res*, 4(6): 751-763.
- Yun, N., Kang, J.W., & Lee, S.M. 2012. Protective effects of chlorogenic acid against ischemia/reperfusion injury in rat liver: molecular evidence of its antioxidant and anti-inflammatory properties. *Journal of Nutritional Biochemistry*, 23: 1249 – 1255.