# DAFTAR PUSTAKA

Arora, K., 2017. Patterns of Hepatic Injury. *PathologyOutlines*, [online] Available at: <http://www.pathologyoutlines.com/topic/liverpatternshepaticinjury.html> [Accessed 29 April 2018].

Bakry, F., 2007. *Hepatitis Alkohol dalam Buku Ajar Ilmu Penyakit Hati*. Jakarta: Penerbit Buku Kedokteran EGC, pp. 285-290.

Benedict, M. and Zhang, X., 2017. Non-Alcoholic Fatty Liver Disease: An Expanded Review. *World Journal of Hepatology*, 9(16), p.715.

Bharat, B., Aggarwal., Anushree, K., Manoj, S. and Shishir, S., 2005. Curcumin Derived from Turmeric (*Curcuma longa*) a Spice for All Seasons in Phytochemicals in Cancer Chemoprevention. *CRC Press LLC*, pp.250-379.

Center for Disease Control, 2016. *Chronic Liver Disease and Cirrhois.* USA : Center for Disease Control.

Chalasani, N., Younossi, Z., Lavine, J., Diehl, A., Brunt, E., Cusi, K., Charlton, M. and Sanyal, A., 2012. The Diagnosis and Management of Non-Alcoholic Fatty Liver Disease: Practice Guideline by the American Association for the Study of Liver Diseases, American College of Gastroenterology, and the American Gastroenterological Association. *Hepatology*, 55(6), pp.2005-2023.

Chung, W.Y., Park, J.H., Kim, M.J., Kim, H.O., Hwang, J.K., Lee, S.K., et al., 2007. Xanthorrhizol Inhibits 12-O-tetradecanoylphorbol-13-acetate-Induced Acute Inflammation and Two-stage Mouse Skin Carcinogenesis by Blocking the Expression of Ornithine Decarboxylase, Cyclooxygenase-2 and Inducible Nitric Oxide Synthase through Mitogen-activated Protein Kinases and/or the Nuclear Factor-Kappa B. *Carcinogenesis*, 28(1224), p.1231.

Chusniati, S., Huda, U., Yuharni, V. and Suwanti, L., 2008. Pengaruh Pemberian Biji Pepaya (Cariya papaya) tehadap Gambaran Histopatologi Hepar Ayam yang Diinfeksi Telur Cacing Ascaridia galli. *Journal of Poultry Diseases*, [online] 01(01), pp.32-35. Available at: http://repository.unair.ac.id/20267/ [Accessed 12 May 2019].

Chedid, C., Mendenhall, L., Moritz, T., et al., 1993. Cell-Mediated Hepatic Injury in Alcoholic Liver Disease. *Gastroenterology*, 105(1), pp. 254–266.

Crawford, J.M., 2012. Histologic Findings in Alcoholic Liver Disease. *Clinical Liver Disease*, 16, pp.699-716.

Das, P., Ahuja, A. and Gupta, S.D., 2012. Overview of the histopathology of chronic hepatitis B infection. *Hepatitis B Annual*, 9(1), pp.49-85.

Denk, H., 2000. Mallory Bodies Revisited. *Journal Hepatology*, 32, pp.689-702.

Devaraj, S., Ismail, S., Ramanathan, S. and Yam, M., 2014. Investigation of Antioxidant and Hepatoprotective Activity of Standardized Curcuma xanthorrhizaRhizome in Carbon Tetrachloride-Induced Hepatic Damaged Rats. *The Scientific World Journal*, 2014, pp.1-8.

Devarbhavi, H., 2012. An Update on Drug-induced Liver Injury. *Journal of Clinical and Experimental Hepatology*, 2(3), pp.247-259.

Dowman, J.K., Tomlinson, J.W. and Newsome, P.N., 2010. Pathogenesis of non-alcoholic fatty liver disease. *QJM*, 103, pp. 71-83.

Dunn, W., Jamil, L.H., Brown, L.S., Wiesner, R.H., Kim, W.R., Menon, K.V., et al., 2015. MELD accurately predicts mortality in patients with alcoholic hepatitis. *Hepatology*, 41, pp.353–358.

Delanghe, J.R. and De Buyzere, M.L., 2009. Carbohydrate Deficient Transferrin and Forensic Medicine. *Clin Chim Acta*, 406, pp.1-7.

Fingas, C., Best, J., Sowa, J. and Canbay, A., 2016. Epidemiology of Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma. *Clinical Liver Disease*, 8(5), pp.119-122.

Hadinata, M.T., 2016. Uji Efek Hepatorepair Ekstrak Temulawak (Curcuma xanthorrhiza Roxb) pada Tikus Putih Jantan Galur Wistar yang Diinduksi Paracetamol. *Eprints UMS*, pp. 9-18.

Haryani, E., 2006. Analisis Kandungan Kimia Rimpang Temulawak.Teknis Nasional, *Tenaga Fungsional Pertanian 2006*, [online] Available at : <http://balitnak.litbang.pertanian.go.id/index.php?option=com_phocadownload&view=category&id=70:3&download=1259:3&start=60&Itemid=1> [Accessed 29 April 2018].

Hebbard, L., George, J., 2011. Animal Models of Nonalcoholic Fatty Liver Disease. *Nature Review of Gastroenterology and Hepatology*, 8, pp.34–44.

Hunt, R., 2016. Virology Chapter Eighteen, [online] Available at: <http://www.microbiologybook.org/virol/hepatitis-virus.htm> [Accessed 29 April 2018].

Ibrahim, S., Hirsova, P., Malhi, H. and Gores, G., 2015. Animal Models of Nonalcoholic Steatohepatitis: Eat, Delete, and Inflame. *Digestive Diseases and Sciences*, 61(5), pp.1325-1336.

Ibrahim, M., Anwar, A., and Yusuf, N.I., 2012. Uji Lethal Dose 50% (LD50) Poliherbal (Curcuma xanthorrhiza, Kleinhovia hospita, Nigella sativa, Arcangelisia flava, dan Ophiocephalus striatus) pada Heparmin terhadap Mencit (Mus musculus). *ResearchGate*, pp. 2-4.

Ishak, K.G., Zimmerman, H.J., Ray, M.B., 1991. Alcoholic Liver Disease: Pathologic, Pathogenetic and Clinical Aspects. *Alcohol Clin Exp Res*, 15, pp.45-66.

Itokawa, H., Shi, Q., Akiyama, T., Morris-Natschke, S. and Lee, K., 2008. Recent Advances in the Investigation of Curcuminoids. *Chinese Medicine*,3(1), p.11.

Jantan, I., Saputri, F.C., Qaisar, M.N., Buang, F., 2012. Correlation between Chemical Composition of Curcuma Domestica and Curcuma Xanthorrhiza and their Antioxidant Effect on Human Low- Density Lipoprotein Oxidation. *Evidence Based Complement Alternative Medicine*, 2012, pp. 1-10.

Jeong, W., Park, O. and Gao, B., 2008. Abrogation of The Antifibrotic Effects of Natural Killer Cells/Interferon-$\gamma$ Contributes to Alcohol Acceleration of Liver Fibrosis. *Gastroenterology*, 134(1), pp. 248–258.

Kartasapoetra, G., 2006. *Budidaya Tanaman Berkhasiat Obat: Temulawak*. Jakarta: PT. Rineka Cipta, p.60.

Krishna, M., 2013. Microscopic anatomy of the liver. *Clinical Liver Disease*, [online] 2(S1), pp.S4-S7. Available at: https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/cld.147 [Accessed 12 May 2019].

Kim, E. and Choi, E., 2010. Pathological Roles of MAPK Signaling Pathways in Human Diseases. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1802(4), pp.396-405.

Klarissa, C., 2016. UJI EFEK PEMBERIAN EKSTRAK TEMULAWAK (Curcuma xanthorrhiza Roxb.) TERHADAP GAMBARAN HISTOPATOLOGI GINJAL TIKUS PUTIH JANTAN GALUR WISTAR YANG DIINDUKSI PARASETAMOL. *Eprints UMS*, pp.7-9.

Kodama, Y., Kisseleva, T., Iwaisako, K., Miura, K., Taura, K., DeMinicis, S., Osterreicher, C.H., Schnabl, B., Seki, E. and Brenner, D.A., 2009. C-jun n-Terminal Kinase-1 from Hematopoietic Cells Mediates Progression from Hepatic Steatosis to Steatohepatitis and Fibrosis in Mice. *Gastroenterology*, 137, pp.1467–1477.

Kumar, A., 2012. A Review on Hepatoprotective Herbal Drugs. *International Journal of Research in Pharmacy and Chemistry*, pp.92-102.

Kumar, V., Abbas, A.K. and Aster, J.C., 2013. *Robbins Basic Pathology*. 9th ed. Philadelphia,PA : Elsevier Saunders, pp.618-625.

Lalor, P.F., Clements, J.M., Pigott, R., Humphries, M.J., Spragg, J.H., Nash, G.B., 1997. Association Between Receptor Density, Cellular Activation, and Transformation of Adhesive Behavior of Flowing Lymphocytes Binding to VCAM-1. *Eur J Immunol*, 27(6), pp.1422–1426.

Lawrence, T., 2009. The Nuclear Factor NF- B Pathway in Inflammation. *Cold Spring Harbor Perspectives in Biology*, 1(6), p. 1651.

Lee, L., Alloosh, M., Saxena, R., Van, A.W., Watkins, B.A., Klaunig, J.E., Sturek, M., Chalasani, N., 2009. Nutritional Model of Steatohepatitis and Metabolic Syndrome in the Ossabaw Miniature Swine. *Hepatology*, 50, pp. 56–67.

Lesmana, L.A., 2004. *Pembaharuan Strategi Terapi Hepatitis Kronik C*. Jakarta : Bagian Ilmu Penyakit Dalam FK UI/RSUPN Cipto Mangunkusumo.

Lim,C.S., Jin, D.Q., Mok, H., Oh, S.J., Lee, J.U., Hwang, J.K., et al., 2005. Antioxidant and Anti- Inflammatory Activities of Xanthorrhizol in Hippocampal Neurons and Primary Cultured Microglia. *Journal of Neuroscience Research*, 82, pp. 831–838.

MacSween, R. and Burt, A., 1986. Histologic Spectrum of Alcoholic Liver Disease. *Seminars in Liver Disease*, 6(03), pp.221-232.

Mandrekar, P., Ambade, A., Lim, A., Szabo, G., Catalano, D., 2011. An Essential Role for Monocyte Chemoattractant Protein-1 in Alcoholic Liver Injury: Regulation of Proinflammatory Cytokines and Hepatic Steatosis in Mice. *Hepatology*, **54**, pp.2185-2197.

Mannan, A.A.S.R., 2017. Hepatitis (Acute and Chronic) – General. *PathologyOutlines*, [online] Available at: <http://www.pathologyoutlines.com/topic/liverhepatitisgeneral.html> [Accessed 29 April 2018].

Manns, M.P., Woynarowski, M., Kreisel, W., Lurie, Y., Rust, C., Zuckerman, E., et al., 2010. Budesonide Induces Remission More Effectively than Prednisone in a Controlled Trial of Patients with Autoimmune Hepatitis. *Gastroenterology 2010*, 39, pp.1198–1206.

Matteoni, C.A., Younossi, Z.M., Gramlich, T., Boparai, N., Liu, Y.C., McCullough, A.J., 1999. Nonalcoholic Fatty Liver Disease: A Spectrum of Clinical and Pathological Severity. *Gastroenterology 1999*, 116, pp.1413-1419.

Mcgavin, D.M. and Zachary, J.F., 2007. *Pathologic Basis of Veterinary Disease*. 4nd, ed. St. Louis: Mosby Inc.p 582-582.

Molina, P., Gardner, J., Souza-Smith, F. and Whitaker, A., 2014. Alcohol Abuse: Critical Pathophysiological Processes and Contribution to Disease Burden. *Physiology*, 29(3), pp.203-215.

Muhlisah, F.,1999. *Tanaman Obat Keluarga (Toga): Temulawak*. Jakarta : Penebar Swadaya, pp.40-41.

Mukhriani, 2014. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan*, 7(2), pp. 361-367.

Mursito, B., 2002. *Budidaya Secara Organik Tanaman Obat Rimpang*. Jakarta : Martha Tilaar Innovation Center.

Nanik., Mudjihartini., Oen, L.H., Mohamad, S., 2002. Penghambatan Pembentukan Peroksida Lipid (POL) Plasma oleh Minyak Atsiri Temulawak (Curcuma xantorrhiza) Pada Tikus Putih Yang Diinduksi Radang Dengan Formaldehid, *Majalah Kedokteran Indonesia*, 52(3), pp : 87-91.

National Toxicology Program, 2014. *Liver, Hepatocyte - Glycogen Accumulation and Depletion - Nonneoplastic Lesion Atlas*. [online] Available at: https://ntp.niehs.nih.gov/nnl/hepatobiliary/liver/hglycoacc/index.htm [Accessed 23 May 2019].

Newberry, E.P., Kennedy, S., Xie, Y., Luo, J., Jiang, H., Ory, D.S., Davidson, N.O., 2015. Phenotypic Divergence in Two Lines of l-fabp −/− Mice Reflects Substrain Differences and Environmental Modifiers. *American Journal of Physiology-Gastrointestinal and Liver Physiology*, 309(8), pp. 648-661.

Oon, S., Nallappan, M., Tee, T., Shohaimi, S., Kassim, N., Sa'ariwijaya, M. and Cheah, Y., 2015. Xanthorrhizol: A Review of Its Pharmacological Activities and Anticancer Properties. *Cancer Cell International*, 15(1), pp.1-15.

O'Shea, R., Dasarathy, S. and McCullough, A., 2009. Alcoholic Liver Disease. *Hepatology*, 51(1), pp.307-328.

Pan, H., Sun, R., Jaruga, B., Hong, F., Kim, H. and Gao, S., 2006. Chronic Ethanol Consumption Inhibits Hepatic Natural Killer Cell Activity and Accelerates Murine Cytomegalovirus-induced Hepatitis. *Alcoholism: Clinical and Experimental Research*, 30 (9), pp. 1615–1623.

Prasetyo, Y., 2011. Pengaruh Pemberian Ekstrak Kunyit Kuning (Curcuma longa) dalam Mencegah Kerusakan Hepar Mencit (Mus musculus) yang Diinduksi Alkohol. *UPT Perpustakaan Universitas Sebelas Maret,*, pp. 30-33.

Purohit, V. and Russo, D., 2002. Cellular and Molecular Mechanisms of Alcoholic Hepatitis. *Alcohol*, 27(1), pp.3-6.

Ramachandran, R. and Kakar, S., 2009. Histological patterns in drug-induced liver disease. *Journal of Clinical Pathology*, 62(6), pp.481-492.

Ricciotti, E. and FitzGerald, G., 2011. Prostaglandins and Inflammation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 31(5), pp.986-1000.

Rudler, M., Mouri, S., Charlotte, F., Lebray, P., Capocci, R., Benosman, P.T., et al., 2015. Prognosis of treated severe alcoholic hepatitis in patients with gastrointestinal bleeding. *J Hepatol*, 62, pp.816-821.

Sakhuja, P., 2014. Pathology of Alcoholic Liver Disease, Can It be Differentiated from Nonalcoholic Steatohepatitis. *World Journal of Gastroenterology*, 20(44), p.16474.

Seth, D., Gorrell, M. D., Cordoba, S., McCaughan, G. W., Haber, P. S., 2006. Intrahepatic gene expression in human alcoholic hepatitis. *Journal of Hepatology*, 45(2), pp. 306–320.

Shetty, S., Lalor, P. and Adams, D., 2008. Lymphocyte recruitment to the liver: Molecular insights into the pathogenesis of liver injury and hepatitis. *Toxicology*, 254(3), pp.136-146.

Sidik, M.W., 1997. Temulawak, Cucurma xanthorrhiza (Roxb). *Yayasan Pengembangan Obat Alam*, p.105.

Silva, F., de Souza, J., Reichert, A., Antonangelo, R., Suzuki, R., Itinose, A. and Marek, C., 2015. Influence of the Alcohol Present in a Phytotherapic Tincture on Male Rat Lipid Profiles and Renal Function. *Evidence-Based Complementary and Alternative Medicine*, pp.1-11.

Singh, D.K., Rastogi, A., Sakhuja, P., Gondal, R., Sarin, S.K., 2010. Comparison of Clinical, Biochemical and Histological Features of Alcoholic Steatohepatitis and Non-alcoholic Steatohepatitis in Asian Indian Patients. *Indian Journal Pathology Microbiology 2010*, 53, pp. 408-413.

Stickel, F., Datz, C., Hampe, J. and Bataller, R., 2017. Pathophysiology and Management of Alcoholic Liver Disease: Update 2016. *Gut and Liver*, 11(2), pp.173-188.

Sutha, D., Sabariah, I., Surash, R., Santhini, M. and Yam, M., 2010. Evaluation of the hepatoprotective activity of standardized ethanolic extract of Curcuma xanthorrhiza Roxb. *Journal of Medicinal Plants Research*, 4(23), pp.2512-2517.

Tanaka, T., Narazaki, M. and Kishimoto, T., 2014. IL-6 in Inflammation, Immunity, and Disease. *Cold Spring Harbor Perspectives in Biology*, 6(10), p.16295.

Tannapfel, A., Denk, H., Dienes, H.P., Langner, C., Schirmacher, P., Trauner, M., Flott-Rahmel, B., 2011. Histopathological Diagnosis of Non-alcoholic and Alcoholic Fatty Liver Disease. *Virchows Arch 2011*, 458 , pp. 511-523.

Teli, M.R., Day, C.P., Burt, A.D., Bennett, M.K., James, O.F., 1995. Determinants of Progression to Cirrhosis or Fibrosis in Pure Alcoholic Fatty Liver. *Lancet 1995*, 346, pp.987-990.

Tilg, H. and .Moschen, A.R., 2006. Adipocytokines:Mediators Linking Adipose Tissue, Inflammation and Immunity. *Nature Reviews Immunology*, 6(10), pp. 772–783.

Tiniakos, D.G., 2009. Liver Biopsy in Alcoholic and Non-alcoholic Steatohepatitis Patients. *Gastroenterol Clin Biol 2009*, 33, pp.930-939.

Tjitrosoepomo, G., 2005. *Taksonomi Tumbuhan Obat-obatan*. Yogyakarta : *Gadjah Mada university Press.*

Wang, H., Zhou, H., Mahler, S., Chervenak, R. and Wolcott, M., 2011. Alcohol Affects the Late Differentiation of Progenitor B Cells. *Alcohol and Alcoholism*, 46(1), pp. 26–32.

Walenbergh, S., Koek, G., Bieghs, V. and Shiri-Sverdlov, R., 2013. Non-Alcoholic Steatohepatitis: The Role of Oxidized Low-Density Lipoproteins. *Journal of Hepatology*, 58(4), pp.801-810.

World Health Organization, 2014. *Age-standardized Death Rates, Liver Cirrhois (15+) by Country*. Jenewa : World Health Organization.

World Health Organization, 2016. *Total Consumption by Country*. Jenewa : World Health Organization.

Wijayakusuma, M., 2007. *Penyembuhan dengan Temulawak*. Jakarta: Sarana Pustaka Prima, pp.23-27.

Weltman, M.D., Farrell, G.C., Liddle, C., 1996. Increased Hepatocyte CYP2E1 Expression in A Rat Nutritional Model of Hepatic Steatosis with Inflammation. *Gastroenterology***,** 111, pp.1645–165.

Wouters, K., Shiri-Sverdlov, R., VanGorp, P.J., Gijbels, M.J., Noel, B., Buffat, L., Staels, B., Maeda, N., VanBilsen, M., Hofker, M.H., 2006. Early Diet-Induced Non-Alcoholic Steatohepatitis in Apoe2 Knock-in Mice and Its Prevention by Fibrates. *Journal Hepatology***,** 44, pp.732–741.

Yin-Lin, K., Chen, G., Lee, Y., Huang, Y., Cheng, A., Sun, H., Chang, S., Liu, C. and Hung, C., 2017. Hepatitis A Virus Infection and Hepatitis A Vaccination in Human Immunodeficiency Virus-Positive Patients: A Review. *World Journal of Gastroenterology***,** 23(20), pp.3589.

Yip, W.W. and Burt, A.D., 2006. Alcoholic liver disease. *Semin Diagn Pathol*, 23, pp.149-160 [PMID: 17355088].

Yerian, L., 2015. Liver Donor Organ Evaluation, *CapToday*, [online] Available at: <http://www.captodayonline.com/liver-donor-organ- evaluation/#attachment_25672 > [Accessed 29 April 2018].

Zuckerman, A.J., 1993. Viral Hepatitis Transfusion Medicine, *NCBI*, [online] Available at: < https://www.ncbi.nlm.nih.gov/books/NBK7864/ > [Accesed 29 April 2018].