

DAFTAR PUSTAKA

- Akbar H I. 2015. *Pengembangan Terapi Fibrosis Hepar menggunakan Beta Glucan dari Saccharomyces cerevisiae Berbasis Mobilisasi Hematopoietic Stem Cells (HSCs)*. Tugas Akhir. Tidak diterbitkan. Fakultas Kedokteran Universitas Brawijaya, Malang.
- Akramien D, Kondrotas A, Didziapetriene J, Kevelaitis E. 2007. Effects of b - glucans on the immune system. Medicina (Kaunas), 43(8), pp.597–606.
- Anthony and Robert. 2012. Handbook of Stem Cells. Elsevier
- Bataller, Ramón dan David A. Brenner. 2005. Liver Fibrosis. *The Journal of Clinical Investigation*. 115:209-218.
- Brown G, Taylor P, Reid D, Willment J, Williams D, Pomares L, Wong Sm Gordon S. 2002. Dectin-1 Is A Major-Glucan Receptor On Macrophages. *Journal of Experimental Medicine*, 196(3), pp.407–412. Available at: <http://www.jem.org/cgi/doi/10.1084/jem.20020470>.
- Civan, J.M., 2013. Liver Fibrosis. Available at <http://www.merckmanuals.com/professional/hepatic-and-biliary-disorders/fibrosis-and-cirrhosis/hepatic-fibrosis> (26 agustus 2016)
- Cramer E, Wagner S, Li B, Liu J, Hansen R, Reca R, Wu W, Surna E, Laber D, Ratajczak M, Yan J. 2008. *Mobilization of topoietic Progenitor Cells by Yeast-Derived Beta-Glucan Requires Activation of Matrix Metalloproteinase-9*. NCBI. 2008 Mar 31.
- Domitrović Robert, Hrvoje Jakovac, Jelena Tomac, Ivana Šain. 2009. *Liver Fibrosis in Mice Induced by Carbontetrachloride and Its Reversion by Luteolin*. Toxicology and Applied Pharmacology 241): 311–321.



- European Food Safety Authority (EFSA). 2011. *Scientific Opinion on the safety of 'yeast beta-glucans' as a Novel Food Ingredient.* EFSA Panel on Dietetic Products, Nutrition and Allergies (NDA). EFSA Journal 2011;9(5):2137.
- Fan X, Zhang Q, Li S, Lv Y, Su H, jiang H, Hao Z., 2013. Attenuation of Ccl4-Induced Hepatic Fibrosis in Mice by Vaccinating against TGF- β 1. PLOS ONE Journal 2013.
- Franzke A. 2006. *The role of G-CSF in adaptive immunity. Cytokine Growth Factor. Rev* 2006;17:235–44.
- Heidelbaugh, J.J. dan Bruderly, M., 2006. Cirrhosis and Chronic Liver Failure: Part 1. Diagnosis and Evaluation. Am Fam Physician. 2006 September 1, 74(5):752-762.
- Hernani dan Rahardjo M. 2005. *Tanaman Berkhasiat Antioksidan.* Jakarta : Swadayana. Hal 5-20.
- Ito K, Masuda Y, Yamasaki Y, Yokota Y, Nanba H. 2009. *Maitake beta-Glucan Enhances Granulopoiesis and Mobilization of Granulocytes by Increasing G-CSF Production and Modulating CXCR4/SDF-1 Expression.* Kobe: International ImmunopharmacologyVolume 9, Issue 10, September 2009, Pages 1189–1196.
- Kieusseian A, Chagraoui J, Kerdudo C, Mangeot P, Gage P, Navarro N, Izac B, uzan G, Forget B, Dubart K., 2006. Expression of Pitx2 in stromal cells is required for normal hematopoiesis. Blood 107, 492–500.
- Kumar V., Abbas A. K., Aster J. C. 2013. *Robbins Basic Pathology, 9th Ed.* Canada: Elsevier.



- Kwiatkowski, S dan Kwiatkowski, S. E. 2009. Yeast (*Saccharomyces cerevisiae*) glucan Polysaccharides – Occurrence, Separation and Application in Food, Feed and Health Industries. Available at : <http://cdn.intechopen.com/>
- Lanza R. 2012. *Handbook of Stem Cells*. Elsevier.
- Lestari, D. 2008. *Efek Protektif dari Lecitin Terhadap Hepatotoksitas Akibat Induksi Karbon Tetraklorida pada Tikus Putih (Rattus norvegicus)*. Abstrak Thesis.
- Liver Support, 2016. Liver Fibrosis. Available at <http://www.liversupport.com/liver-fibrosis> (12 Oktober 2016).
- Martin, M. A. & Bhatia, M. 2005. Analysis of the human fetal liver hematopoietic microenvironment. *Stem Cells Dev.* 14, 493–504.
- Martinez-Agosto, J., 2007. The hematopoietic stem cell and its niche: a comparative view. *Genes & Development*, 21(23), pp.3044–3060.
- Martini F. 2004. *Fundamental of Anatomy and Physiology*. 6th edition. San Francisco : Benjamin Cummings. pp 902-906.
- Mason, Roger. 2004. *What is Beta glucan A Concise Guide to the Benefits and Uses of the Most Powerful Natural Immune Enhancer Known to Science*. USA : 561 Shunpike.
- N. Fausto, J.S. Campbell, K.J. Riehle. 2006. Liver regeneration. *Hepatology* 43 S45–S53.
- Nahdliyah B. 2016. *Pengaruh Ekstrak Beta Glucan dari Saccharomyces Cerevisiae terhadap Histopatologi Hepar pada Mencit Model Fibrosis Hepar*. Tugas Akhir. Fakultas Kedokteran. Universitas Brawijaya, Malang.

- Qian H, Georges E, Nystrom A, Domogatskaya A, Tryggvason K, Jacobsen S, Ekblom M. 2007. Distinct roles of integrins α 6 and α 4 in homing of fetal liver hematopoietic stem and progenitor cells. *Blood* 110, 2399–2407.
- Sandvik A., Wang Y.Y., Morton H.C., Aasen A.O., Wang J.E., Johansen F.E. *Oral and systemic administration of b-glucan protects again lipopolysaccharide-induced shock and organ injury in rats*. Available at : doi:10.1111/j.1365-2249.2006.03320.x
- Shah A. 2007. *Ilmu Penyakit Dalam*. Buku Ajar Kedokteran Edisi 11. Jakarta: EGC, pp.249
- Smart, N. & Riley, P.R., 2008. The stem cell movement. *Circulation Research*, 102(10), pp.1155–1168.
- Tirkey N., Pilkhwal S., Kuhad A., Chopra K., Hesperidin, a citrus bioflavonoid, decreases the oxidative stress produced by carbon tetrachloride in rat liver and kidney. *BMC Pharmacology*, 2015.
- Tsolaki E, Athanasiou E, Gounari E, Zogas N, Siotou E, Yiagou M, Anagnostopoulos A, Yannaki E.. 2014. *Hematopoietic stem cells and liver regeneration: Differentially acting hematopoietic stem cell mobilization agents reverse induced chronic liver injury*. *Blood Cells, Molecules and Diseases* 53 (3):124-32 (2014).
- Scott, L.2002. Hepatic Fibrosis-Role of Hepatic Stellate Cell Activation. [formerly published in Medscape Gastroenterology eJournal 4(4), 2002]. Available at: <http://www.medscape.com/viewarticle/436461>(27 agustus 2016).
- Paula P dan Margaret C. 2015. Evaluation and Staging of Liver Fibrosis. Available at : <http://www.hepatitisc.uw.edu/go/evaluation-staging-monitoring/evaluation-staging/core-concept> (4 september 2016).



Holyoake TL, Alcorn MJ. CD34+ positive haemopoietic cells: biology and clinical applications. *Blood Rev.* 1994;8:113-124



UNIVERSITAS BRAWIJAYA

