

## DAFTAR PUSTAKA

- Adianti, M., Aoki, C., Komoto, M, Deng, L., Shoji, L, Wahyuni, T.S., 2014 Anti-virus Hepatitis C Compounds Obtained from *Glycyrrhiza uralensis* and other Glycyrrhiza Species. ***Microbiology and Immunology***. Vol. 58 No. 3, pp. 180-187.
- Aoki, C., Hartati, S., Santi, M.R., Lydwina, T., 2014. Isolation and Identification of Substances with Anti-Virus Hepatitis C Activities from *Kalanchoe Pinnata*. ***International Journal of Pharmacy & Pharmaceutical Sciences***. Vol. 6 No. 2, pp. 211.
- Apriyanto, D.R., Aoki, C., Hartati, S., Hanafi, M., Kardono, L.B.S., Arsianti, A., Louisa, M., Sudiro, T.M., Dewi, B.E., Sudarmono, P., Soebandrio, A., Hotta, H., 2015. Anti-Hepatitis C Virus Activity of Crude Extract from Longan (*Dimocarpus longan lour*) Leaves. ***Japanese Journal of Infectious Diseases***. Vol. 69 No. 3, pp. 213-220.
- Ashfaq, U. A., Masoud, M. S., Nawaz, Z., Riazuddin, S., 2011. Glycyrrhizin as Antiviral Agent Against Hepatitis C Virus. ***Journal of Translational Medicine***. Vol. 9 No. 112, pp. 1.
- Badan POM RI. 2006. ***Meniran Phyllanthus niruri (Serial Data Ilmiah Terkini Tumbuhan Obat)***. Jakarta: Direktorat Obat Asli Indonesia.
- Bagalkotkar, G., Sagineedu, S. R., Saad, M. S., Stanslas, J., 2006. Phytochemicals from *Phyllanthus niruri* Linn. and Their Pharmacological Properties: a Review. ***Journal of Pharmacy and Pharmacology***. Vol. 58 No. 12, pp. 1559-1570.
- Bartenschlager, R. Eds. 2013. ***Hepatitis C Virus: From Molecular Virology to Antiviral Therapy***. New York: Springer Heidelberg.
- Chan J., 2014. Hepatitis C. ***Disease-a-Month***. Vol. 60 No. 5, pp. 201-212.

- Chatterji, U., Garcia-rivera J. A., Baugh, J., Gawlik, K., Wong, K. A., Zhong, W., Brass, C. A., 2014. The Combination of Alisporivir Plus an NS5A Inhibitor Provides Additive to Synergistic Anti-Hepatitis C Virus Activity Without Detectable Cross-Resistance. *Antimicrobial Agents and Chemotherapy*. Vol. 58 No. 6, pp. 3327–3334.
- Chou, T. C. dan Talalay, P., 1983. Analysis of Combined Drug Effects: a New Look at a Very Old Problem. *Trends in Pharmacological Sciences*. Vol. 4, pp. 450–454.
- Crouchet, E., Wrensch, F., Schuster, C., Zeisel, M. B., Baumert, T. F., 2018. Host-targeting Therapies for Hepatitis C Virus Infection: Current Developments and Future Applications. *Therapeutic Advances in Gastroenterology*. Vol. 11, pp. 1-15.
- Dalimarta, S., 2002. *Atlas tumbuhan Obat Indonesia*. Jilid II, Yogyakarta: Pustaka Kartini.
- Departemen Kesehatan Republik Indonesia, 2014. *Pharmaceutical Care untuk Penyakit Hati*. Jakarta: Direktorat Bina Farmasi Komunitas dan Klinik Ditjen Bina Kefarmasian dan Alat Kesehatan.
- Departemen Kesehatan Republik Indonesia, 1995. *Farmakope Indonesia edisi IV*. Jakarta: Departemen Kesehatan Republik Indonesia.
- Dipiro, J. T., Talbert, R. I., Yee, G. C., Matzke, G. R., Wells, B. G., Posey, L. M., 2008. *Pharmacotherapy: A Pathophysiologic Approach*, 7<sup>th</sup> Edition. New York: Mc Graw Hill.
- Dipiro, J. T., Talbert, R. I., Yee, G. C., Matzke, G. R., Wells, B. G., Posey, L. M., 2011. *Pharmacotherapy: A Pathophysiologic Approach*, 8<sup>th</sup> Edition. New York: Mc Graw Hill Medical
- El-Adawi, H., El-Demellawy, M. And El-Wahab A., 2011. Some Medicinal Plant Extract Exhibit Potency Against Viral Hepatitis C. *Journal of Bioscience and Technology*. Vol. 2 No. 1, pp. 223-231.
- Food and Drug Administration, 2006. *Guidance for Industry Antiviral Product Development – Conducting and Submitting Virology*

- Studies to the Agency.*** Center for Drug Evaluation and Research (CDER).
- Gower, E., Estes, C., Blach, S., Razavi-Shearer, K., Razavi, H., 2014. Global Epidemiology and Genotype Distribution of the Hepatitis C Virus Infection. ***Journal of Hepatology.*** Vol. 61 No. 1, pp. 45-57.
- Gritter, R. J., Bobbit, J. M., Swharting, A. E., 1991. ***Pengantar Kromatografi. Edisi Kedua.*** Bandung: Penerbit ITB.
- Handa, S. S., Khanuja, S. P. S., Longo, G., Rakesh, D. D., 2008. ***Extraction Technologies for Medicinal and Aromatic Plants.*** Trieste: International Centre for Science and High Technology UNIDO., pp. 22-33.
- Hangzhou Longshine Bio-Tech. 2011. Simeprevir. Diakses dari <http://id.longshinebiotech.com/simeprevir>, pada tanggal 12 Agustus 2019.
- Hutapea, J. R., 2000. ***Inventaris Tanaman Obat Indonesia.*** Edisi ke-1, Jakarta: Bhakti Husada.
- Janbaz, K. H., Saeed, S. A., Gilani, A. H., 2002. Protective Effect of Rutin on Paracetamol – and CCl4 – induced Hepatotoxicity in Radents. ***Fitoterapia.*** Vol. 73 No. 7-8, pp. 557-563.
- Javed, T.A., Usman, A., Riaz, S., Rehman, S., and Riazuddin, S., 2011. In-vitro Antiviral Activity of *Solanum nigrum* Against Hepatitis C virus. ***Virology Journal,*** Vol. 8 No. 23, pp. 1-2.
- Kardinan, A., Kusuma, dan F. R., 2004. ***Meniran Penambah Daya Tahan Tubuh Alami.*** Edisi ke-1, Jakarta: Agro Media Pustaka.
- Kementrian Kesehatan Republik Indonesia. 2016. ***Panduan Singkat Tatalaksana Hepatitis C.*** Jakarta: Direktorat Jendral Pencegahan dan Pengendalian Penyakit.

- Kohler, J. J., Nettles, J. H., Amblard, F., Hurwitz, S. J., Bassit, L., Stanton, R. A., Ehteshami, M., Schinazi, R. F., 2014. Approaches to Hepatitis C Treatment and Cure Using NS5A Inhibitors. *Infection and Drug Resistance*. Vol. 7, pp. 41–56.
- Krithika, R., Mohankumar, R., Verma, R. J., Shrivastav, P. S., Mohamad, I. L., Gunasekaran, P., Narasimhan, S., 2009. Isolation, Characterization and Antioxidative Effect of Phyllanthin Against CCl4-induced Toxicity in HepG2 Cell Line. *Chemico-Biological Interactions*. Vol. 181 No. 3, pp. 351-358.
- Lange, C.M., Jacobson, I.M., Rice, C.M., Zeuzem, S., 2014. Emerging Therapies for the Treatment of Hepatitis C. *EMBO Molecular Medicine*. Vol. 6 No. 1, pp. 4-15.
- Manns, M.P., Foster, G.R., Rockstroh, J.K., Zeuzem, S., Zoulim, F., Houghton, M., 2007. The Way Forward in HCV Treatment — Finding the Right Path. *Nature Reviews Drug Discovery*. Vol. 6 No. 12, pp. 991-1000.
- Mao, X., Wu, Ling-Fang., Guo, Hong-Ling., Chen, Wen-Jing., Cui, Ya-Ping., Qi Qi., Li, S., Liang, Wen-Yi., Yang, Guang-Hui., Shao, Yan-Yan., Zhu, D., She, Gai-Mei., You, Y., Zhang., 2016. The Genus Phyllanthus: An Ethnopharmacological, Phytochemical, and Pharmacological Review. *Evidence-Based Complementary and Alternative Medicine*. Vol. 2016.
- McHutchison, J. G., Lawitz, E. J., Shiffman, M. L., Muir, A. J., Galler, G. W., McCone, J., Nyberg, L. M., Lee, W. M., Ghalib, R. H., Schiff, E. R., Galati, J. S., Bacon, B. R., Davis, M. N., Mukhopadhyay, P., Koury, K., Noviello, S., Pedicone, L. D., Brass, C. A., Albrecht, J. K., Sulkowski, M. S., 2009. Peginterferon Alfa-2b or Alfa-2a with Ribavirin for Treatment of Hepatitis C Infection. *New England Journal of Medicine*. Vol. 361 No. 6, pp. 580-593.
- Miliman, W. B., Lamson, D. W., and Brignall, M. S., 2000. Hepatitis C: A Restrospective Study, Literature Review, and Naturopathic Protocol. *Alternative Medicine Review*, Vol. 5 No. 4, pp. 355-371.

- Mills, J. J., Chari, R. S., Boyer, I. J., Gould, M. N., Jirtle, R. L., 1995. Induction of Apoptosis in Liver Tumors by the Monoterpene Perillyl Alcohol. ***Cancer Research***. Vol. 55, pp. 979–983.
- Moradpour, D., Penin, F., and Rice, C.M., 2007. Replication of Hepatitis C Virus. ***Nature Reviews Microbiology***. Vol. 5 No. 6, pp. 453-463.
- Mosmann, T., 1983, Rapid Colorimetric Assay for Cellular Growth and Survival: Application to Proliferation and Cytotoxicity Assays, ***Journal of Immunology Methods***. Vol. 65, pp. 1-2.
- Pawlotsky, J. M., Negro, F., Aghemo, A., Berenguer, M., Dalgard, O., Dusheiko, G., Marra, F., Puoti, M., Wedemeyer, H., 2018. EASL Recommendations on Treatment of Hepatitis C 2018. ***Journal of Hepatology***. Vol. 69 No. 2, pp. 461-511.
- Poelengan, M., Andriani, K., Susanti, S., Sussan, L., Komala, M., 2007. ***Uji Daya Antibakteri Ekstrak Etanol Batang Bungur (Largerstormenia speciosa Pers.) Terhadap Staphylococcus aureus dan Escherichia coli Secara In Vitro***. Laporan Penelitian, Fakultas Peternakan, Institut Pertanian Bogor.
- Popescu, C. I. dan Dubuisson, J., 2010. Role of Lipid Metabolism in Hepatitis C Virus Assembly and Entry. ***Biology of the Cell***. Vol. 102 No. 1, pp. 65.
- Qian-Cutrone, J., Huang, S., Trimble, J., Li, H., Lin, P. F., Alam, M., Klohr, S. E., Kadow, K. F., 1996. Niruriside, a New HIV REV/ RRE Binding Inhibitor from *Phyllanthus niruri*. ***Journal of Natural Products***. Vol. 59 No. 2, pp. 196–199.
- Ravikumar, Y. S., Ray, U., Nandhitha, M., Perween, A., Raja, N. H., Khanna, N., Das, S., 2011. Inhibition of Hepatitis C Virus Replication by Herbal extract: *Phyllanthus amarus* as Potent Natural Source. ***Virus Research***. Vol. 158 No. 1-2, pp. 89-97.
- Sagar, K. S., Chang, C. C., Wang, W. K., Lin, J. Y., Lee, S. S., 2004. Preparation and Anti-HIV Activities of Retro Justicidin B Analogs

- and Azalignans. *Bioorganic & Medicinal Chemistry*. Vol. 12, pp. 4045–4054.
- Saieed, P., Reza, R. M., Abbas, D., Seyyedvali, R., Aliasghar, H., 2006. Inhibitory Effects of *Ruta graveolens* L. Extract on Guinea Pig Liver Aldehyde Oxidase. *Chemical & Pharmaceutical Bulletin*. Vol. 54, pp. 9-13.
- Strader, D. B., Wright, T., Thomas, D. L., and Seeff, L. B., 2004. Diagnosis, Management, and Treatment of Hepatitis C. *Hepatology*, Vol. 39 No. 4, pp. 1147-1171.
- Subarnas, A. 2005. Khasiat Meniran Sebagai Antihepatitis. Diakses dari [www.pikiran-rakyat.com](http://www.pikiran-rakyat.com), pada tanggal 20 Desember 2018.
- Sukhaphirom, N., Vardhanabhuti, N., Chirdchupunseree, H., Pramyothin, P., Jianmongkol, S., 2012. Phyllanthin and Hypophyllanthin Inhibit Function of P-gp but not MRP2 in Caco-2 Cells. *Journal of Pharmacy and Pharmacology*. Vol. 65 No. 2, pp. 292-299.
- Sunitha, S., Nagaraj, M., Varalakshmi, P., 2001. Hepatoprotective Effect of Lupeol and Lupeol Linoleate on Tissue Antioxidant Defence System in Cadmium-Induced Hepatotoxicity in Rats. *Fitoterapia*. Vol. 72, pp. 516–523.
- Tamori, A., Enomoto, M., Kawada, N., 2016. Recent Advances in Antiviral Therapy for Chronic Hepatitis C. *Mediators of Inflammation*. Vol. 2016 No. 1, pp. 1-11.
- Venkateswaran, P. S., Millman, I., Blumberg, B. S., 1987. Effects of an Extract from *Phyllanthus niruri* on Hepatitis B and Woodchuck Hepatitis Viruses: In Vitro and In Vivo Studies. *Proceeding of the National Academy of Sciences of USA*. Vol. 84 No. 1, pp. 274–278.
- Vermehren, J. dan Sarrazin, C., 2012. The Role of Resistance in HCV Treatment. *Best Practice and Research: Clinical Gastroenterology*. Vol. 26 No. 4, pp. 487–503.

- Wagner, H., dan Bladt, S., 1996. ***Plant Drug Analysis: A Thin Layer Chromatography*** Atlas. New York: Springer Verlag Berlin Heidelberg.
- Wahyuni, T.S., Aoki, C., Hotta, H., 2016. Promising Anti-Virus hepatitis C Compounds from Natural Resources. ***Natural Product Communications***, Vol. 11 No.8, pp. 1193-1200.
- Wahyuni, T.S., Tumewu, L., Permanasari, A.A., Apriani, E., Adianti, M., 2013. Antiviral Activities of Indonesian Medicinal Plants in the East Java Region Against Hepatitis C Virus. ***Virology Journal***. Vol. 10 No. 1, pp. 259.
- Webster, G.L., 1994. Synopsis of the General and Suprageneric Taxa of Euphorbiaceae. ***Annals of the Missouri Botanical Garden***. Vol. 88, pp. 33-144.
- World Health Organization., 2002. Hepatitis C. Diakses dari <http://www.who.int/csr/disease/hepatitis/whocdscsrlyo2003/en/index1.html> , pada tanggal 20 Desember 2018.
- World Health Organization., 2015\_ Data and statistics. Diakses dari <http://www.euro.who.int/en/health-topics/communicable-diseases/hepatitisidata-and-statistics> , pada tanggal 20 Desember 2018.
- Xu, H. X., Wan, M., Dong, H., But, P. P., Foo, L. Y., 2000. Inhibitory Activity of Flavonoids and Tannins Against HIV-1 Protease. ***Biological and Pharmaceutical Bulletin***. Vol. 23, pp. 1072–1076.
- Yu, M., dan Chuang, W., 2008. Treatment of Chronic Hepatitis C in Asia: When East Meets West. ***Journal of Gastroenterology and Hepatology***. Vol. 24, pp. 336-345.
- Zeisel, M. B., Crouchet, E., Baumert, T. F., Schuster, C., 2015. Host-targeting Agents to Prevent and Cure Hepatitis C Virus Infection. ***Viruses***. Vol. 7 No. 11, pp. 5659-5685.