

DAFTAR PUSTAKA

- AASLD-IDS A HCV Guidance Panel, 2015. Hepatitis C Guidance: AASLD-IDS A Recommendations for Testing, Managing, and Treating Adults Infected with Hepatitis C Virus. *Hepatology*, 62(3): 54 - 932.
- Abdullahi, M.N., Ilyas, N., Ibrahim, H., 2013. Evaluation of Phytochemical Screening and Analgesic Activity of Aqueous Extract of the Leaves of *Microtrichia perotitii* dc (Asteraceae) in Mice Using Hotplate Method. *Medicinal Plant Research*. 3, 37–43.
- Adianti, M., Aoki, C., Komoto, M., Deng, L., Shoji, I., Wahyuni, T.S., Lusida, M.I., Soetjipto, Fuchino, H., Kawahara, N., Hotta, H., 2014. Anti-Hepatitis C Virus Compounds Obtained from *Glycyrrhiza uralensis* and Other Glycyrrhiza Species. *Microbiology and Immunology*, 58(3): 180-187.
- Aoki,Chie., Hartanti,Sri., Santi,Mei Ria., Lydwina., Firdaus,Rininta., Hanafi,Muhammad., Kardono, Leonardus., Shimizu,Yohko., Sudarmono,Pratiwi., Hotta,Hak. 2014. Isolation and Identification of Substances with Anti-Hepatitis C Virus Activities from *Kalanchoe pinnata*. *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(2): 211 – 215.
- Ashfaq,Usman.A., Idrees, Sobia. 2014. Medicinal Plants Againts Hepatitis C Virus. *World Journal Gastroenterol*, 20(11): 2941-2947
- Ayoola, G.A., Coker, H.B., Adesegun, S.A., Adepoju-Bello, A.A., Obaweya, K., Ezennia, E.C., Atangbayila, T.O., 2008. Phytochemical Screening and Antioxidant Activities of Some Selected Medicinal Plants used for Malaria Therapy in Southwestern Nigeria. *Tropical Disease Journal of Pharmacy Research*. 7, 1019–1024.

- Bachmetov, L., Gal-Tanamy, M., Shapira, A., Vorobeychik, M., Giterman-Galam, T., Sathiyamoorthy, P., Zemel, R. (2011). Suppression of Hepatitis C Virus by the Flavonoid Quercetin is Mediated by Inhibition of NS3 Protease Activity. *Journal of Viral Hepatitis*, 19(2): 81–88.
- Banso, A., Adeyemo, S., 2006. Phytochemical Screening and Antimalarial Assessment of *Abutilon mauritianum*, *Bacopa monnifera* and *Datura stramonium*. *Biokemistri* 18, 39–44.
- Brass, V., Moradpour, D., and Blum, H. E., 2006. Molecular Virology of Hepatitis C Virus (HCV). *International Journal of Medical Sciences*, 3(2): 29–34.
- Cao, M.M., Zhang, Y., Li X.H., Peng, Z.G., Jiang, J.D., Gu, Y.C., Di, Y.T., Li, X.N., Chen, D.Z., Xia, C.F., He, H.P., Li, S.L., Hao, X.J., 2014. Cyclohexane-fused Octahydroquinolizine Alkaloids from *Myrioneuron faberi* with Activity Against Hepatitis C Virus. *Journal of Organic Chemistry*, 79(17): 7945-7950.
- Choi, M., Kim, Y.M., Lee, S., Chin, Y.W., Lee, C., 2014. Mangosteen Xanthones Suppress Hepatitis C Virus Genome Replication. *Virus Genes*, 49(2): 208-222.
- Crouchet, E., Wrensch, F., Schuster, C., Zeisel, M. J., and Baumert, T. F. 2018. Host-Targeting Therapies for Hepatitis C Virus Infection: Current Developments and Future Applications. *Therapeutic Advances in Gastroenterology*, 11: 1–15.
- Daw, Mohamed A. 2014. *Hepatitis C Virus : Molecular Pathways and Treatments*. USA: Oumaima Stanbouli
- Departemen Kesehatan RI. 2000. *Parameter Standar Umum Ekstrak Obat*. Jakarta: Departemen Kesehatan.

- Departemen Kesehatan RI. 2006. *Monografi Ekstrak Tumbuhan Obat Indonesia*, Vol.2, 124, Jakarta, Departemen Kesehatan Republik Indonesia.
- Departemen Kesehatan RI. 2009. *Farmakope Herbal Indonesia Edisi I*. Jakarta: Departemen Kesehatan.
- Departemen Kesehatan RI. 2014. *Farmakope Indonesia edisi V*. Kementerian Kesehatan RI.
- Dubuisson, Jean and Loic-Francois, Cosset., 2014. Virology and Cell Biology of the Hepatitis C Virus Life Cycle – An Update Journal of Hepatology Update : Hepatitis C. *Journal of Hepatology*, 61(1): 3–13
- Elberry, Mostafa H., Darwish, Noureldien., Mousa,Shaker A. 2017. Hepatitis C Virus Management: Potencial Impact of Nanotechnology. *Virology Journal*, 14:88
- Elsebai, M.F., Koutsoudakis, G., Saludes, V., Perez-Vilaro, G., Turpeinen, A., Mattila, S., Pirttila, A.M., Fontaine-Vive, F., Mehiri, M., Meyerhans, A., Diez, J., 2015. Pan-Genotypic Hepatitis C Virus Inhibition by Natural Products Derived from the Wild Egyptian Artichoke. *Journal of Virology*, 90(4): 1918-1930.
- Enomoto, Nobuyuki., Stephen, Feinstone., Peter, Simmonds., Jens, Bukh., Christophe, Combet., and Gilbert, Del., 2005. Consensus Proposals for a Unified System of Nomenclature of Hepatitis C Virus Genotypes. *Hepatology*, 42(4): 962–973.
- Fauvelle, C., Lambotin, M., Heydmann, L., Prakash, E., Bhaskaran, S., Vishwaraman, M.Moog, C. 2017. A Cinnamon-Derived Procyanidin Type A Compound Inhibits Hepatitis C Virus Cell Entry. *Hepatology International*, 11(5), 440–445.
- Food and Drug Administration. 2006. Guidance for Industry Antiviral Product Development-Conductiong and Submitting Virology Studies to the Agency. *Center for Drug Evaluation and Research (CDER)*.

- Galani Tietcheu, B. R., Sass, G., Njayou, N. F., Mkounga, P., Tiegs, G., & Moundipa, P. F. 2014. Anti-Hepatitis C Virus Activity of Crude Extract and Fractions of *Entada africana* in Genotype 1b Replicon Systems. *The American Journal of Chinese Medicine*, 42(4): 853–868.
- Galani, B. R. T., Sahuc, M.-E., Njayou, F. N., Deloison, G., Mkounga, P., Feudjou, W. F., Sacron, K. 2015. Plant Extracts from Cameroonian Medicinal Plants Strongly Inhibit Hepatitis C Virus Infection In Vitro. *Frontiers in Microbiology*, 6(488).
- Ghany, Marc G., David, R., Nelson, Doris B., Strader, David L., Thomas, and Leonard B. Seeff., 2011. An Update on Treatment of Genotype 1 Chronic Hepatitis C Virus Infection: Practice Guideline by the American Association for the Study of Liver Diseases. *Hepatology*, 54(4): 1433–1444.
- Gonzalez, O., Fontanes, V., Raychaudhuri, S., Loo, R., Loo, J., Arumugaswami, V., French, S. W. 2009. The Heat Shock Protein Inhibitor Quercetin Attenuates Hepatitis C Virus Production. *Hepatology*, 50(6): 1756–1764.
- Hafid, A. F., Aoki, C., Permanasari, A. A., Adianti, M., Tumewu, L., Widyawaruyanti, A., Wahyuningsih, S. P. A., Wahyuni, T. S., Lusida, M. I., Soetjipto, and Hotta, H. 2017. Antiviral Activity of the Dichloromethane Extracts from *Artocarpus heterophyllus* Leaves Against Hepatitis C Virus. *Asian Pacific Journal of Tropical Biomedicine*, 7(7): 33–39.
- Hidayati, Nur., Widyastuti, SM., Wahyuono, Subagus. 2012. Isolasi dan Identifikasi Senyawa Antifungal Akar *Acacia mangium* dan Aktivitasnya Terhadap *Ganoderma lucidum*. *Jurnal Pemuliaan Tanaman Hutan*, 6(1).

- Hoong, Y. B., Pizzi, A., Md. Tahir, P., & Pasch, H. 2010. Characterization of *Acacia mangium* Polyflavonoid Tannins by MALDI-TOF Mass Spectrometry and CP-MAS ¹³C NMR. *European Polymer Journal*, 46(6): 1268–1277.
- Hussein G, Miyashiro H, Nakamura N, Hattori M, Kakiuchi N, Shimotohno K. 2000. Inhibitory Effects of Sudanese Medicinal Plant Extracts on Hepatitis C Virus (HCV) Protease. *Phytotherapy Research*, 14(7): 510-516.
- Jardim, A.C., Igloi, Z., Shimizu, J.F., Santos, V.A., Felipe, L.G., Mazzeu, B.F., Amako, Y., Furlan, M., Harris, M., Rahal, P., 2015. Natural Compounds Isolated from Brazilian Plants are Potent Inhibitors of Hepatitis C Virus Replication In Vitro. *Antiviral Research*, 115: 39-47.
- Javed,Thariq., Ashfaq,Usman Ali., Riaz,Sana., Rehman,Sidra., Riazuddin,Sheikh. 2011. In-Vitro Antiviral Activity of *Solanum nigrum* Against Hepatitis C Virus. *Virology Journal* ,8:26.
- Joseph, H, Zulkapli, MM, Iskandar, H& Santin, S, 2016, Molluscicidal Activity of the Plant *Acacia Mangium* (Willd.) Against the Snail *Pomaceae Canaliculata* (Lam.), *Jurnal Borneo Akedemika*, 1(2): 27-33.
- Joshi, A., Bhoobe, M., Saatarkar, A., 2013. Phytochemical Investigation of the Roots of *Grewia microcos* Linn. *Journal of Chemical Pharmacy Research*. 5, 80–87.
- Kalsom, Y.Umi., Khairuddin,H.I., Zakri,M.M. 2001. Flavonol Glycosides from the Leaves of *Acacia mangium* and Related Species. *Malaysian Journal of Analytical Sciences*, 7(1): 109-112.
- Kementrian Kesehatan RI. 2014. Situasi dan Analisis Hepatitis. *Infodatin Pusat Data dan Informasi*. Jakarta : Kementrian Kesehatan RI.
- Kim, J.W., Park, S.J., Lim, J.H., Yang, J.W., Shin, J.C., Lee, S.W., Suh,

- J.W., Hwang, S.B., 2013. Triterpenoid Saponins Isolated from *Platycodon grandiflorum* Inhibit Hepatitis C Virus Replication. *Evidence-based Complementary and Alternative Medicine*, 1-11.
- Kong, L.B., Li, S.S., Liao, Q.J., Zhang, Y.N., Sun, R.N., Zhu, X.D., Zhang, Q.H., Wang, J., Wu, X.Y., Fang, X.N., Zhu, Y., 2013. Oleanolic Acid and Ursolic Acid: Novel Hepatitis C Virus Antivirals that Inhibit NS5B Activity. *Antiviral Research*, 98: 44-53.
- Krippendorff BF, Lienau P, Reichel A, Huisinga W. 2007. Optimizing Classification of Drug-Drug Interaction Potential por CYP450 Isoenzyme Inhibition Assays in Early Drug Discovery. *Journal of Biomolecular Screening*,12(1): 92-99
- Krisnawati, H., M. Kallio, M. Kanninen. 2011. *Acacia mangium* Willd. *Ekologi, Silvikultur, dan Produktivitas*. CIFOR. Bogor.
- Lange, C. M., Jacobson, I. M., Rice, C. M., and Zeuzem, S. 2014. Emerging Therapies for the Treatment of Hepatitis C. *Molecular Medicine*, 6(1): 4–15.
- Lee, J.-C., Chen, W.-C., Wu, S.-F., Tseng, C., Chiou, C.-Y., Chang, F.-R., Wu, Y.-C. 2011. Anti-hepatitis C Virus Activity of *Acacia confusa* Extract Via Suppressing Cyclooxygenase-2. *Antiviral Research*, 89(1): 35–42.
- Li, Y., Yu, S., Liu, D., Proksch, P., Lin, W., 2012. Inhibitory Effects of Polyphenols Toward Hepatitis C Virus from the Mangrove Plant *Excoecaria agallocha* L. *Bioorganic & Medicinal Chemistry Letters*, 22(2): 1099-1102.
- Lin, L.T., Chung, C.Y., Hsu, W.C., Chang, S.P., Hung, T.C., Shields, J., Russell, R.S., Lin, C.C., Li, C.F., Yen, M.H., Tyrrell, D.L.J., Lin, C.C., Richardson, C.D., 2015. Saikosaponin B2 is a Naturally Occurring Terpenoid that Efficiently Inhibits Hepatitis C Virus Entry. *Journal of Hepatology*, 63(1): 541-548.

- Mehta, G., Dusheiko, G. 2015. Hepatitis C Treatment and Quality of Life. *Journal of Hepatology*, 63(2): 300 – 302.
- Mihara, R., Barry, K. M., Mohammed, C. L., & Mitsunaga, T. 2005. Comparison of Antifungal and Antioxidant Activities of *Acacia mangium* and *A. auriculiformis* Heartwood Extracts. *Journal of Chemical Ecology*, 31(4): 789–804.
- Mishra, Chinmayi; Tripathi, Indra. 2015. Phytochemical Screening of Some Medicinal Plants of Chitrakoot Region. *Indian Journal of Applied Research*, 5(12): 56-60
- Moradpour, D., Penin, F., & Rice, C. M. 2007. Replication of Hepatitis C Virus. *Nature Reviews Microbiology*, 5(6): 453–463.
- Nouroz, F., Shaheen, S., Mujtaba, G., Noreen, S., 2015. An Overview on Hepatitis C Virus Genotypes and its Control. *Egyptian Journal of Medical Human Genetics*, 16(4): 291 – 298.
- Otsamo, R. 2002. Early Effects of Four Fast-Growing Tree Species and Their Planting Density on Ground Vegetation in Imperata Grasslands. *New Forests* 23(1): 1–17.
- Pawlotsky, J.M. 2013. Treatment of Chronic Hepatitis C: Current and Future. *Current Topics in Microbiology and Immunology*, 369: 321 – 420.
- Pawlotsky, J., Negro, F., Aghemo, A., Berenguer, M., Dalgard, O., Dusheiko, G., Marra, F., Puoti, M., and Wedemeyer, H. 2018. European Association for the Study of the Liver (EASL) Recommendations on Treatment of Hepatitis C 2018. *Journal of Hepatology*, 69(2): 461-511.
- Perhimpunan Peneliti Hati Indonesia (PPHI). 2017. Tata laksana Koinfeksi HIV-Hepatitis C Prospek Terapi Sofosbuvir di Indonesia. **Perhimpunan Peneliti Hati Indonesia (PPHI)**. Diakses dari <http://http://pphi-online.org/alpha/?p=1183>, pada tanggal 10 November

2019.

- Popescu, C., and Dubuisson, J. 2010. Role of Lipid Metabolism in Hepatitis C Virus Assembly and Entry. *Biology of the Cell*, 102: 63–74.
- Popescu, Costin-ioan, Laura Riva, Ovidiu Vlaicu, Rayan Farhat, and Yves Rouillé. 2014. Hepatitis C Virus Life Cycle and Lipid Metabolism. *Biology*, 3: 892–921.
- Purayil SK, Annley C, Ponnaiah P, Pattammadath S, Javad PTM, Jenifer SA., Raji P., Thirumurugan R, Iyappan P. and Antony VS. 2019. Evaluation of Antioxidant and Antimicrobial Activity of Some Plants Collected from Malaysia. *Journal of Pure and Applied Microbiology*, 13(4): 2363 - 2373.
- Ravikumar YS, Ray U, Nandhitha M, Perween A, Raja Naika H, Khanna N, Das S. 2011. Inhibition of Hepatitis C Virus Replication by Herbal Extract: *Phyllanthus amarus* as Potent Natural Source. *Virus Research*, 158: 89-97.
- Sarker,SD., Latif, Z., & Gray,AI. 2006. *Natural Products Isolation 2nd edition*. Totowa, New Jersey. Humana Press Inc, (18): 6-10
- Scheel,Troels K H & Rice,Charles M. 2013. Understanding the Hepatitis C Virus Life Cycle Paves the Way for Highly Effective Therapies. *Nature Medicine*, 19(7): 837 – 849.
- Siregar,F., Hadijono,B.S. 2000. Uji Sitotoksisitas dengan Esei MTT. *Jurnal Kedokteran Gigi Universitas Indonesia*, (7): 28 – 32.
- Stahl, E. 2013. *Thin-Layer Chromatography: A Laboratory Handbook 2nd Edition*. Berlin: Springer. 52-75.
- Sumi., Linda,Riza., Rousdy,Diah Wulandari. 2018. Aktivitas Ekstrak Metanol Daun Akasia (*Acacia mangium* Wild) terhadap Perkecambahan dan Pertumbuhan Maman Ungu (*Cleome rutidosperma*D.C) dan Rumput Grinting (*Cynodon dactylon* L. Pers). *Jurnal Protobiont*, 7(3) : 90 –96.

- Swain, Mark G., Ming Yang Lai, Mitchell L. Shiffman, W. Graham E. Cooksley, Stefan Zeuzem, Douglas T. Dieterich, Armand Abergel, Mário G. Pessôa, A. M. Y. Lin, Andreas Tietz, Edward V Connell, and Moisés Diago. 2010. A Sustained Virologic Response Is Durable in Patients With Chronic Hepatitis C Treated With Peginterferon Alfa-2a and Ribavirin Clinical Advances. *Gastroenterology*. 139 (5): 1593–1601.
- Tamori, A., Enomoto, M., and Kawada, N. 2016. Recent Advances in Antiviral Therapy for Chronic Hepatitis C. *Hindawi Publishing Corporation*, 1-11.
- Tjitrosoepomo, Gembong. 1988. *Taksonomi Tumbuhan Spermatophita*. Yogyakarta. UGM Press.
- USP. 2007. *The United States Pharmacopeia 30 and The National Formulary 25 (USP-NF)*. United States Pharmacopeial. USA.
- Wahyuni TS, Widyawaruyanti A, Lusida MI, Fuad A, Soetjipto, Fuchino H, Kawahara N, Hayashi Y, Aoki C, Hotta H. 2014. Inhibition of Hepatitis C Virus Replication by Chalepin and Pseudane IX Isolated from *Ruta angustifolia* Leaves. *Fitoterapia*, 99: 276-283.
- Wahyuni, T. S., Permatasari, A. A., Widiandani, T., Hafid, A. F., Widyawaruyanti, A., Aoki, C., and Hotta, H. 2018. Antiviral Activities of *Curcuma* Genus Against Hepatitis C Virus. *Natural Product Communications*, 13(12): 1579 – 1583.
- Wahyuni, T. S., Tumewu, L., Permanasari, A. A., Apriani, E., Adianti M., Rahman, A., Widyawaruyanti, A., Lusida, M. I., Fuad, A., Soetjipto, Nasronudin, Fuchino, H., Kawahara, N., Shoji, I., Deng, L., Aoki, C., and Hotta, H. 2013. Antiviral Activities of Indonesian Medicinal Plants in the East Java Region Against Hepatitis C Virus. *Virology Journal*, 10: 1–9.
- Wahyuni, T.S., Chie Aoki Utsubo, and Hak Hotta., 2016. Promising Anti-

- Hepatitis C Virus Ccmpounds from Natural Resources. *Natural Products Communications*, 11(8): 1193–1200.
- Widodo,A., Rohman, A., Sismindari. 2019. Pemanfaatan Tumbuhan Famili *Fabaceae* untuk Pengobatan Penyakit Liver oleh Pengobat Tradisional Berbagai Etnis di Indonesia. *Media Litbangkes*, 29(1): 65 – 88.
- World Health Organization (WHO). 2019. Hepatitis C. *World Health Organization*. Diakses dari <https://www.who.int/news-room/fact-sheets/detail/hepatitis-c> pada tanggal 2 November 2019.
- Zhang, L., Chen, J., Wang, Y., Wu, D., & Xu, M. 2010. Phenolic Extracts from *Acacia mangium* Bark and Their Antioxidant Activities. *Molecules*, 15(5), 3567–3577.