

DAFTAR PUSTAKA

- Abdel-Razik, A., Mousa, N., Abdel-Aziz, M., Elsherbiny, W., Zakaria, S., Shabana, W. (2019). Mansoura Simple Scoring System for Prediction of Spontaneous Bacterial Peritonitis: Lesson Learned. *European Journal of Gastroenterology & Hepatology*, 31(9); 1017–1024.
- Agrawal, S., Dhiman, R. K., & Limdi, J. K. (2016). Evaluation of Abnormal Liver Function Test. *Postgraduate Medical Journal*, 92(1); 223–234.
- Aithal, G. P., Palaniyappan, N., China, L., Härmälä, S., Macken, L., Ryan, J. M., Wilkes, E. A., Moore, K., Leithead, J. A., Hayes, P. C., O'Brien, A. J., & Verma, S. (2021). Guidelines on the Management of Ascites in Cirrhosis. *Gut*, 70(1); 9–29.
- American Association for the Study of Liver Diseases. (2023). Back to Basics: Outpatient Management of Cirrhosis. *Journal of Hepatology*, 88(3); 15–35.
- Andric, M., & Dragoni, M. (2025). Machine Learning and Statistical Insights Into Hospital Stay Durations: The Italian EHR case. arXiv preprint.
- Anisa, I., & Hasan, I. (2020). *Sirosis Hepatis*. In: Kapita Selekt Kedokteran, Jakarta: Media Aesculapius.
- Asrani, S. K., Devarbhavi, H., Eaton, J., & Kamath, P. S. (2019). Burden of Liver Diseases in The World. *Journal of Hepatology*, 70(1); 151–171.
- Azevedo, T. C. G., de Andrade, T. M., & Lima, J. R. F. (2023). Hepatic Biochemical Markers in Chronic Liver Disease: Clinical Implications and Treatment Monitoring. *Clinical Biochemistry*, 112(3); 1–9.
- Belmonte, R., Silva-Rodriguez, M., Barbé, F., Bensenane, M., Haghenejad, V., Vrillon, I., Alla, A., Flahault, A., Kormann, R., Corbel, A., Aitdjafar, Z., Quilliot, D., Derain-Dubourg, L., Namour, F., Guéant, J.-L., Bronowicki, J.-P., & Oussalah, A. (2024). Multiparametric Renal Function Assessment in Cirrhotic Patients Shows High Prevalence of Medically Actionable Changes in Multiple Modules. *Hepatology Research*, 54(11); 1035–1048.
- Bernardi, M., Moreau, R., Angeli, P., Schnabl, B., & Arroyo, V. (2015). Mekanisme Dekompensasi dan Kegagalan Organ pada Sirosis: Dari Vasodilatasi Arteri Perifer hingga Hipotesis Peradangan Sistemik. *Jurnal Hepatologi*, 63(1); 1272–1284.
- Bhandari, A., & Mahajan, R. (2022). Skin Changes in Cirrhosis. *Journal of Clinical and Experimental Hepatology*, 12(4); 1215–1224.
- Brunton, L. L., & Knollmann, B. C. (Eds.). (2023). *Goodman & Gilman's The Pharmacologic al Basis of Therapeutics*, 14th Ed. New York: McGraw Hill.

- Carter, X. R., Thompson, M. A., & Russo, M. W. (2021). Pharmacologic Management of Anticoagulation in Patients with Hepatic Cirrhosis: A Review of dosing and monitoring strategies. *Liver Research*, 5(2); 77–84.
- Christian Yong, B. J., & Vidor, M. (2022). Sirosis Hepatis – Reversibel atau Irreversibel?. *Cermin Dunia Kedokteran*, 49(1); 43–46.
- Chronic Liver Disease Foundation (CLDF). (2022). Symposium: Addressing Health Outcomes and Rising Costs in the Management of Chronic Liver Disease/Cirrhosis.
- Colaci, C., Gambardella, M. L., Scarlata, G. G. M., Boccuto, L., Colica, C., Luzzza, F., Scarpellini, E., Mendez-Sanchez, N., & Abenavoli, L. (2024). Dysmetabolic Comorbidities and Non-Alcoholic Fatty Liver Disease: A Stairway to Metabolic Dysfunction-Associated Steatotic Liver Disease. *Hepatoma Research*, 10(4); 16–22.
- Cynthia, F. (2022). Asuhan Keperawatan pada Pasien Ny. N dengan Sirosis Hepatis Post Op Paracentesis di Ruang Baituizzah 2 RSI Sultan Agung Semarang. [*Skripsi*]. Semarang: Universitas Islam Sultan Agung.
- Dafonte, K., Weber, L., Chmielewski, F., Böhmer, A. M., Lutz, P., Hartmann, G., Jaehde, U., & Coenen, M. (2023). Dose Recommendations for Common Drugs in Patients with Liver Cirrhosis: A Systematic Literature Review. *Liver Research*, 43(3); 213–225.
- Dandi, K., Banerjee, D., Dahale, A. S., Karad, A. S., & Bade, Y. S. (2025). Hyponatremia in cirrhosis: Clinical Outcomes and Comparative Analysis of Different Treatment Approaches. *Journal of Clinical & Diagnostic Research*, 19(4); 23–46.
- Darni, Z., & Rahmah, S. (2019). Pelaksanaan Pengukuran Tanda-tanda Vital pada Pasien Sirosis Hepatis untuk Mencegah Hipertensi Portal. *JIKO (Jurnal Ilmiah Keperawatan Orthopedi)*, 3(2); 47–54.
- De Franchis, R., Bosch, J., Garcia-Tsao, G., Reiberger, T., Ripoll, C., & Baveno VII Faculty. (2022). Baveno VII—Renewing Consensus in Portal Hypertension. *Journal of Hepatology*, 76(4); 959–974.
- Deng, H., Zhao, S., Wang, X., Wang, J., & Wang, W. (2024). Prevalence an Prognosis of Diabetes in Patients with Hepatitis B Virus–related Liver Cirrhosis: A Nationwide Cohort Study. *Clinical Gastroenterology and Hepatology*. 4(2); 101–130.
- Díaz-Hernández, R., Téllez-Ávila, F. I., Zamora-Valdés, D., Barrientos-Gutiérrez, T., Chávez-Tapia, N. C., & Uribe, M. (2018). Community-Acquired Pneumonia in Patients with Cirrhosis: A Case–Control Study. *Revista de Gastroenterología de México (English Edition)*, 83(2); 125–132.
- Dionigi, E., Garcovich, M., Borzio, M., Leandro, G., Majumdar, A., Tsami, A. (2017). Bacterial Infections Change the Natural History of Cirrhosis

- Irrespective of Liver Disease Severity. *American Journal of Gastroenterology*, 112(4); 588–596.
- Dipiro, J. T. (2021). *Pharmacotherapy: A Pathophysiologic Approach*, 11th Ed. New York: McGraw-Hill Education.
- Dorgalaleh, A., Favaloro, E. J., Bahraini, M., & Rad, F. (2021). Standardization of Prothrombin Time/International Normalized Ratio (PT/INR). *International Journal of Laboratory Hematology*, 43(1); 21–28.
- Dwika, L. Y., Sukarno, A., Asmirajanti, M., & Abriyanti, R. M. (2022). Studi Kasus Terapi Kombinasi Relaksasi Otot Progresif dan Teknik Napas Dalam terhadap Penurunan Nyeri Pasien Sirosis Hepatis di RS Tarakan. Alauddin *Scientific Journal of Nursing*, 3(1); 13-18.
- Everett, B. T., & Lidofsky, S. D. (2018). Adherence to Surveillance Endoscopy Following Hospitalization for Index Esophageal Variceal Hemorrhage. *World Journal of Gastrointestinal Surgery*, 10(2); 40–48.
- Farida, Y., Andayani, T. M., & Ratnasari, N. (2021). Analisis Penggunaan Obat pada Komplikasi Sirosis Hati di RSUP Dr. Sardjito (Studi Observasional). *Jurnal Manajemen dan Pelayanan Farmasi*, 11(1); 45–53.
- Fulka, R., Ludiana, L., & Sari, S. A. (2024). Penerapan Senam Hipertensi terhadap Tekanan Darah pada Pasien Hipertensi di Wilayah Kerja UPTD Puskesmas Purwosari Metro. *Jurnal Cendikia Muda*, 4(3), 440–446.
- Hall, J. E., & Hall, M. E. (2021). *Guyton and Hall Textbook of Medical Physiology*, 14th Ed. Philadelphia: Elsevier.
- Hakim, A., Widjaja, F., & Wicaksono, B. (2018). Hubungan Antara Komplikasi Sirosis Hepatis dengan Mortalitas Pasien di Rumah Sakit. *Jurnal Penyakit Dalam Indonesia*, 5(1); 45–52.
- Hassan, M., & Moonka, D. (2018). *Spontaneous Bacterial Peritonitis. In Liver Disease: A Clinical Casebook*. Cham, Switzerland: Springer International Publishing.
- Hernández-Gea, V., & Jalan, R. (2020). Infectious Complications in Cirrhosis Impact on Mortality and Management Strategies. *Journal of Hepatology*, 72(2); 402–420.
- Hussain, I., Wong, Y. J., Lohan, R., Lin, S., & Kumar, R. (2022). Does Preemptive Transjugular Intrahepatic Portosystemic Shunt Improve Survival After Acute Variceal Bleeding? Systematic Review, Meta-analysis, and Trial Sequential Analysis of Randomized Trials. *Journal of Gastroenterology and Hepatology*, 37(3); 455–463.
- Jagdish, R. K., Roy, A., Kumar, K., Premkumar, M., Sharma, M., Rao, P. N., Reddy, D. N., & Kulkarni, A. V. (2023). *Pathophysiology and Management of Liver Cirrhosis: From Portal Hypertension to Acute-on*

Chronic Liver Failure. Frontiers in Medicine. Lausanne, Switzerland: Frontiers Media S.A.

- Jalan, R., Fernández, J., Wiest, R., Schnabl, B., Moreau, R., Angeli, P., Bernardi, M. (2020). Bacterial Infections in Cirrhosis: A Position Statement based on the EASL Special Conference 2013. *Journal of Hepatology*, 73(2); 323–338.
- Liu, S., Zhang, Y., & Wang, X. (2020). Effect of comorbidity assessed by the Charlson Comorbidity Index on Stroke: Associations with Mortality a Length of Stay. *Frontiers in Neurology*, 11(5); 487-495.
- Lorensia, A., & Gorisalam, E. (2018). Analisis Masalah Terkait Obat Pengobat Antidiabetes pada Pasien Sirosis Hati dengan Diabetes Mellitus Tipe 2 di Suatu Rumah Sakit di Surabaya. *Sains & Teknologi*, 9(2); 58–73.
- Lovena, A., Miro, S., & Efrida, E. (2017). Karakteristik Pasien Sirosis Hepatis di RSUP Dr. M. Djamil Padang. *Jurnal Kesehatan Andalas*, 6(1); 5-9.
- Maghfirah, D. M., Abubakar, A., & Yusuf, F. (2018). Penatalaksanaan Asites pada Sirosis Hepatis. *Jurnal Kedokteran Nanggroe Medika*, 1(3); 47–58.
- Manikat, R., & Nguyen, M. H. (2023). Nonalcoholic Fatty Liver Disease and Non Liver Comorbidities. *Clinical and Molecular Hepatology*, 29(3); 86-102.
- Mansour, D., & McPherson, S. (2018). Management of Decompensated Cirrhosis. *Clinical Medicine (London, England)*, 18(2), 60–65.
- Marciano, S., Díaz, J. M., Dirchwolf, M., & Gadano, A. (2019). Spontaneous Bacterial Peritonitis in Patients with Cirrhosis: Incidence, Outcomes, and Treatment Strategies. *Hepatic Medicine: Evidence and Research*, 11(4); 13-22.
- Masola, A. B., Panda, A. L., & Kawengian, V. (2016). Hubungan Gagal Jantung dan Gangguan Fungsi Hati. *e-CliniC*, 4(2); 1-20.
- Menteri Kesehatan Republik Indonesia. (2019). *Pedoman Nasional Pelayanan Kedokteran Tataaksana Hepatitis B*. Jakarta: Kementerian Kesehatan RI.
- Mitra, M., & Swaminathan, A. (2022). The Molecular and Cellular Underpinning of Cirrhosis of the Liver. *Journal of Student Research*, 11(2); 1–17.
- Moon, A. M., Singal, A. G., & Tapper, E. B. (2020). Contemporary Epidemiology of Chronic Liver Disease and Cirrhosis. *Clinical Gastroenterology and Hepatology*, 18(12); 2650–2666.
- Nassar, Y., & Jaimes, E. A. (2021). Reassessing Hepatorenal Syndrome Pathophysiology, Diagnosis, and Treatment. *Current Opinion in Nephrology and Hypertension*, 30(2); 200–206.

- Ndraha, S., Andri, R., Rambe, A. S., Setiawan, F., & Hernowo, B. S. (2018). Komplikasi Penderita Sirosis Hati di RSUD KOJA pada Bulan Juli-November 2017. *Jurnal Kedokteran Meditek*, 24(67); 17–20.
- Nurdin, I., & Hartati, S. (2019). *Metodologi Penelitian Sosial*. Surabaya: Media Sahabat Cendekia.
- Numan, L., Elkafrawy, A., Kaddourah, O., Brotherton, T., Saeed, L., Zafar, Y. (2020). *Spontaneous Bacterial Peritonitis: We Are Still Behind*. California: Cureus, Inc.
- Odriozola, A., Rodriguez-Lago, I., Fernandez, A., Zozaya, J. M., & Irazusta, M. (2022). Portal Vein Thrombosis in the Setting of Cirrhosis: A Comprehensive Review. *Journal of Clinical Medicine*, 11(21); 42-63.
- Oh, R. C., Hustead, T. R., Ali, S. M., & Pantsari, M. W. (2017). Mildly Elevated Liver Transaminase Levels: Causes and Evaluation. *American Family Physician*, 96(10); 709–715.
- Oktaviani, E., Indriani, L., & Wulandari, H. (2022). Profil Kontrol Glikemik Antidiabetik pada Pasien DM Tipe 2 dengan Sirosis Hati. *Jurnal Manajemen dan Pelayanan Farmasi*, 12(1); 1–13.
- Park, S., Manikat, R., & Nguyen, M. H. (2023). Association of Long-term use of Metformin with Risk of Hepatocellular Carcinoma in Patients with Cirrhosis and Diabetes. *Clinical and Molecular Hepatology*, 29(3); 86-102.
- Pereira, K., Cruz, F., & Andrade, C. (2020). Diuretic Therapy in Cirrhotic Ascites: Evidence and Practice. *World Journal of Hepatology*, 12(5); 320–331.
- Perez, I. C., Bolte, F. J., Bigelow, W., Dickson, Z., & Shah, N. L. (2021). Step by Step: Managing the Complications of Cirrhosis. *Hepatic Medicine: Evidence and Research*, 13(1); 45–57.
- Putri, R. A., Santosa, A., & Dewi, R. (2022). Sarkopenia sebagai Faktor Risiko Progresivitas Sirosis Hepatis. *Jurnal Gizi dan Hepatologi Klinik Indonesia*, 9(2); 89–95.
- Rahman, H., Prasetyo, B., & Andriani, R. (2021). Distribusi Derajat Sirosis Hati dan Korelasinya terhadap Komplikasi Klinis. *Jurnal Kesehatan Andalas*, 10(1); 23–30.
- Ramadhan, M. G. (2024). Efektivitas Pemberian Betahistin pada Pasien Vertigo Usia 53 Tahun. *Jurnal Syntex Admiration*, 15(1); 37–48.
- Reiberger, T., & Mandorfer, M. (2021). Beta Blockers in Portal Hypertension: Still Relevant After All These Years? *Hepatology International*, 15(4); 1003–1015.
- Rejeki, F. C. S., Alexandra, F. D., Palupi, D. R. E., Handayani, S., & Turnip, O. N. (2024). Hubungan Kadar Ureum terhadap Kejadian Mortalitas Pasien

- Sirosis di RSUD dr. Doris Sylvanus Palangka Raya. *Barigas: Jurnal Riset Mahasiswa*, 2(3); 125–129.
- Saleh, M. Y., Mohamed, R. A., & El-Sayed, S. M. (2021). Serum Albumin as a Prognostic Indicator in Liver Cirrhosis Patients. *Egyptian Liver Journal*, 11(1); 45-58.
- Santos, J. M., Alvarez, D., & Guzmán, A. (2020). Predictors of Mortality in Hospitalized Patients with Decompensated Cirrhosis. *Annals of Hepatology*, 19(6); 626–633.
- Sari, O. M. (2020). Studi Penggunaan Obat Golongan Beta-Blocker pada Pasien Rawat Inap Rumah Sakit Ansari Saleh Banjarmasin. *Jurnal Farmasi Udayana*, 9(2); 123-130.
- Satria, R., Wibowo, A., & Nuraini, S. (2022). Pengaruh Jenis Komplikasi dan Komorbiditas terhadap Lama Rawat Pasien TB di RSUP Dr. Sardjito Yogyakarta. [*Skripsi*]. Yogyakarta: Universitas Gadjah Mada.
- Seko, Y., Yamaguchi, K., Shima, T., Iwaki, M., Takahashi, H., Kawanaka, M., & Itoh, Y. (2024). Differential Effects of Genetic Polymorphism on Comorbid Disease in Metabolic Dysfunction–Associated Steatotic Liver Disease. *Clinical Gastroenterology and Hepatology*, 22(4); 1436–1443.
- Setiawan, A., Ramdhani, F., & Mulyani, T. (2022). Karakteristik Pasien Sirosis Hepatis Berdasarkan Derajat Child-Pugh di Rumah Sakit Pendidikan. *Jurnal Kedokteran Klinik dan Komunitas*, 6(2); 112–118.
- Setiawan, D., Arisandi, D., & Trisnawati, L. (2022). Aplikasi Prediksi Penyakit Sirosis Hati Menggunakan Algoritma Genetika. *Jurnal SANTI (Sistem dan Teknologi Informasi)*, 2(1); 31–40.
- Singh, V., Dutta, U., & Sharma, V. (2020). Electrolyte Imbalances in Liver Cirrhosis: An Update. *Tropical Gastroenterology*, 41(1); 1–10.
- Simonetto, D. A., Gores, G. J., & Kamath, P. S. (2019). Management of Sepsis in Patients with Cirrhosis. *Current Hepatology Reports*, 18(2); 274–284.
- Smith, S. A., Schiano, T. D., & Kim-Schluger, L. (2019). Pneumonia and Risk of Readmission in Cirrhotic Patients: A Retrospective Cohort Study. *Liver International*, 39(4); 716–724.
- Smith, A., Baumgartner, K., & Bositis, C. (2019). Cirrhosis: Diagnosis and Management. *American Family Physician*, 100(12); 759–770.
- Springer. (2022). *Pharmacotherapy for Liver Cirrhosis and its Complications*. Singapore: Springer Nature.
- Stasi, C., Silvestri, C., Berni, R., Brunetto, M. R., Zignego, A. L., Orsini, C., & Cipriani, F. (2019). Epidemiological, Demographic and Clinical Data on Chronic Viral Hepatitis C in Tuscany. *Current Medical Research and Opinion*, 35(4); 661–666.

- Sulistyoningrum, E., & Murtisiwi, L. (2020). Gambaran Peresepan Pasien Sirosis Hati di Instalasi Rawat Jalan Rumah Sakit Panti Waluyo Surakarta. *Journal of Pharmacy*, 9(1); 1–7.
- Suryanarayana, M. S. A., Michael, A., Vellingiri, K., & Shanmugam, K. (2024). Study of Creatinine and Electrolyte Variations Amid Individuals with Chronic Liver Disease: A Retrospective Study. *Journal of Medical and Scientific Research*, 12(2); 164–168.
- Tan, D., Chan, E. K., Wong, Y. Z., Ng, H. C., Xiao, J., Lim, H. W., & Huang, Q. D. (2023). Global Epidemiology of Cirrhosis: Changing Etiological Basis and Comparable Burden of Nonalcoholic Steatohepatitis Between Males and Females. *Karger Digestive Disease*, 41(6); 900–912.
- Tapper, E. B., & Asrani, S. K. (2024). Management of Patients with Cirrhosis in the Hospital: Infections, Bleeding, and Beyond. *Liver Transplantation*, 30(1); 33–44.
- Tapper, E. B., Beste, L., Curry, M., Bonder, A., Waljee, A., & Saini, S. (2017). Suboptimal Implementation of Evidence-based Therapy for Accute Variceal Hemorrhage: A Systematic Review of Observational Studies. *Clinical Gastroenterology and Hepatology*, 15(9); 1373–1381.
- Tapper, E. B., Friderici, J., Borman, Z. A., Alexander, J., Bonder, A., Nuruzzaman, N., et al. (2018). A Multicenter Evaluation of Adherence to 4 Major Elements of the Baveno Guidelines and Outcomes for Patients with Accute variceal hemorrhage. *Journal of Clinical Gastroenterology*, 52(2); 172–177.
- Thaha, R., Yunita, E., & Sabir, M. (2020). Sirosis Hepatis. *Jurnal Medical Profession (MedPro)*, 2(3); 166–171.
- Tugwell, P., & Knottnerus, J. A. (2019). Multimorbidity and Comorbidity Are Now Separate MESH Headings. *Journal of Clinical Epidemiology*, 105(6); vi–viii.
- Ueno, M., Fujiwara, T., Tokumasu, H., Mano, T., Kayahara, T., Takabatake, H. (2023). Real-world efficacy of antibiotic prophylaxis for upper gastrointestinal bleeding in cirrhotic patients in Japan. *Journal of Gastroenterology*, 58(9); 766–767.
- Usman, F. H., Birman, Y., & Wahyuni, S. (2025). Profil Pasien Sirosis Hepatis di RSUP Dr. M. Djamil Padang Tahun 2021. *Health and Medical Journal*, 7(1); 29–42.
- Vaidya, S. R., & Aeddula, N. R. (2021). *Chronic Renal Failure*. In StatPearls StatPearls Publishing.
- Vaz, J., Eriksson, B., Strömberg, U., Buchebner, D., & Midlöv, P. (2020). Incidence, Aetiology and Related Comorbidities of Cirrhosis: A Swedish Population-based Cohort Study. *BMC Gastroenterology*, 20(1); 1–12.

- Wang, Y., Chen, H., Hu, X., Zhang, J., & Sun, S. (2024). Clinical Characteristics and Mortality Risk Factors of Pneumonia in Patients with Cirrhosis: A Retrospective Study. *BMC Infectious Diseases*, 24(1); 10-12.
- Wijaya, R., Nurdin, H., & Sari, N. (2019). *Outcome* Kinis Pasien Sirosis dengan Ensefalopati Hepatik di Ruang Rawat Inap. *Jurnal Penyakit Hati Indonesia*. 7(4); 210–215.
- Wiliyanarti, P. F., & Muhith, A. (2019). Life Experience of Chronic Kidney Diseases Undergoing Hemodialysis Therapy. *NurseLine Journal*, 4(1); 54-60.
- Wiranata, I. M., Rini, P. S., & Wahyuni, N. K. A. (2017). Studi Penggunaan Omeprazole pada Pasien Sirosis Hati dengan Hematemesis Melena Rawat Inap di RSUD Kabupaten Sidoarjo. *Journal of Pharmacy Science and Practice*, 4(1); 36–43.
- World Health Organization (WHO). (2016). *Global Report on Diabetes*.
- Wongsosumito, S., Haskas, Y., & Abrar, E. A. (2023). Hubungan Self-care dengan Quality of Life pada Penderita Diabetes Melitus Tipe II. *Jurnal Ilmiah Mahasiswa & Penelitian Keperawatan*, 3(2); 1–10.
- Yuliana, I., Fitriani, L., & Hamzah, A. (2020). Lama Rawat Inap Pasien Sirosis Hati dan Hubungannya dengan Komplikasi Penyerta. *Jurnal Farmasi Klinik Indonesia*, 9(1); 55–61

