DAFTAR PUSTAKA

Ashurst JV, Dawson A. Klebsiella Pneumonia. In: StatPearls. StatPearls Publishing, Treasure Island (FL); 2022. PMID: 30085546.

Babic, M., Hujer, A.M., Bonomo, R.A. 2006. What's New in Antibiotic Resistance? Focus on β-Lactamases. Drug Resist. Updat. 9:142–156.

Bezoen A, Haren, W.V., Hanekamp, J.C. 2001. Antibiotics: Use and Resistance Mechanisms. Human Health and Antibiotic Growth Promoters (AGPs), Geidelberg Appeal Nederland. 1-125.

Bradford, P. A. 2001. Extended-Spectrum β-Lactamases in the 21st Century: Characterization, Epidemiology, and Detection of This Important Resistance Threat. Clin. Microbiol. Rev. 14:933–951.

Canina, M., Caeiro, M.F. 2011. Dynamic of β-Lactamases in Gram-Negatif Bacteria. Universidade De Lisboa. Chapter (1). 1-101.

Centers for Disease Control and Prevention (CDC). 2010. Laboratory Detection of Extended-Spectrum β-Lactamases (ESBLs).

Centers for Disease Control and Prevention (CDC). 2014. Detect and ProtectAgainst Antibiotic Resistance Initiative Information.

Clinical and Laboratory Standards Institute (CLSI). 2020. Performance Standard for Antimicrobial Susceptibility Testing. CLSI document M100-S22. Vol 32 No 3. Wayne, PA. Clinical and Laboratory Standards Institute.

David H., Freed C. Tenover, & Randal T. Hayden. (2016). *Molecular Microbiology DIAGNOSTIC PRINCIPLES AND PRACTICE THIRD EDITION*.

Dejenie Shiferaw Teklu., *et al*. "Comparison of Double Disk Synergy Test and Combination Disk Test Methods for the Detection of Extended-Spectrum Beta-Lactamase Production among Enterobacteriaceae". EC Microbiology 15.6 (2019): 411-420.

Dwiprahasto, Iwan. 2005. Kebijakan Untuk Meminimalkan Risiko Terjadinya Resistensi Bakteri Di Unit Perawatan Intensif Rumah Sakit. Jurnal Manajemen Pelayanan Kesehatan (4) vol. 8.

Ghafourian, S., Sadeghifard, N., Soheiili, S., Sekawi, Z. 2015. Extended Spectrum Beta-Lactamases: Definition, Classification and Epidemiology. Curr. Issues Mol. Biol. University of Medical Sciences, Ilam, Iran. 17: 11-22. DOI: http://dx.doi.org/10.21775/cimb.017.011.

Handoyo, D., & Ari Rudiretna, (2001). Prinsip Umum Dan Pelaksanaan Polymerase Chain Reaction (PCR) [General Principles and Implementation of Polymerase Chain Reaction]. Unitas, 9 (1): 17-29.

Haghig, E. (2021). *Molecular detection of Extended-Spectrum Beta-Lactamase (ESBLs) and biofilm formation in uropathologen Klebsiella pneumoniae in Iran*. https://doi.org/10.47176/mj

Harada, Y., Morinaga, Y., Yamada, K., Migiyama, Y., Nagaoka, K., *et al*. 2013. Clinical and Molecular Epidemiology of Extended-Spectrum β- Lactamase-Producing *Klebsiella pneumoniae* and Escherichia coli in a Japanese Tertiary Hospital. J Med Microb Diagn. 2:3.

Hamdani, M. J., Djide, N., & Arif, M. (2022). Incidence of *Klebsiella pneumoniae* producing Metallo Beta-Lactamase (MBL) at RSUP Dr. Wahidin Sudirohusodo Makassar. Sasambo Journal of Pharmacy, 3(1), 6-10.

Jacoby, G.A., Mills, D.M., Chow, N. 2004. Role of β-Lactamases and Porins in Resistance to Ertapenem and other β-Lactams in *Klebsiella pneumoniae*. Antimicrob. Agents Chemother. 48:3203–3206.

Kangchen, Li. dkk. 2023. Studi perbandingan asap rokok. *Klebsiella pneumoniae,* dan kombinasinya terhadap fungsi sawar epitel saluran napas pada tikus. Jilid 38, edisi 5. Wiley online library

Kuper KM, Boles DM, Mohr JF, Wanger A. 2009. Antimicrobial Susceptibility Testing: A Primer for Clinicians. Pharmacotherapy. 29(11); p.1326-1343.

Livermore, D.M. 2005. β-Lactamases in Laboratory and Clinical Resistance. Clin Microbiol Rev; 8: 557-84.

Liza, U. Rastina. Erina, T. Reza, F. Darniati. Al Azhar. 2017. Isolasi dan Identifikasi *Escherichia coli* dan *Staphylococcus aureus* Pada Keumamah di Pasar Tradisional Lambaro, Aceh Besar. ISSN: 2540-9492

Levinson, W. 2016. Review of Medical Microbiology and Immunology 14th Edition. USA. Cenvero Publisher Services.

Mahon, C.R., Lehman, D.C., Manuselis, G. 2015. Biochemical Identification ofGram-Negative Bacteria, Enterobacteriaceae, In: Textbook of Diagnostic Microbiology, 5th ed. WB Saunders Company; 2(19); 181-94, 420-54.

Microbeholic. 2020. Medium IMViC-Definisi, Komposisi, Cara Pembuatan dan Pengujian. https://www.microbeholic.com/2022/04/medium-imvic.html. Diakses pada 15 November 2022.

Microbeholic. 2020. Nutrient Agar (NA)-Definisi, Komposisi, Cara Pembuatan dan Hasil. https://www.microbeholic.com/2020/05/nutrient-agar-na-definisi-komposisi-cara-pembuatan-dan--hasil.html. Diakses pada 27 November 2022

Microbeholic. 2020. Simmons Citrate Agar (SCA)-Definisi, Komposisi, Cara Pembuatan dan Pengujian https://www.microbeholic.com/2020/11/simmons-citrate-agar-sca-definisi-komposisi-cara-pembuatan-dan--pengujian.html. Diakses pada 15 November 2022

Microbeholic. 2020. Triple Sugar Iron Agar (TSIA)-Definisi, Komposisi, Cara Pembuatan dan Pengujian. https://www.microbeholic.com/2020/12/triple-sugar-iron-agar-tsia-definisi-komposisi-cara-pembuatan-dan--pengujian.html. Diakses pada 15 November 2022.

Parija, S. C. (2012). Microbiology and Immunology Textbook of 2nd Edition. India. Elsevier.

Paterson, D.L. Resistance in Gram-Negative Bacteria: Enterobacteriaceae. Am J Med. 2006;119(6 Suppl 1): 20–28.

Paterson, D.L., Bonomo, R.A. 2005. Extended-Spectrum Beta-Lactamases: A Clinical Update. Clin Microbiol Rev. 18(4):657-86.

Persing, David, H. 2016. Molecular microbiology: diagnostic principles and practice. Washington DC. ASM Press

Rahman, H., Nasrul, E., Tjong, D. H., & Suharti, N. (2017). Genotypic and Antibiotic Resistance Patterns of blaTEM, blaCTX and blaSHV Producing *Klebsiella pneumoniae* Isolates in Abdul Moeloek Hospital, Lampung, Indonesia. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN*, *16*(11), 6–11. https://doi.org/10.9790/0853-1611060611

Rahman, I. W., & Prihartini, A. (2021). Pengujian Sensitivitas Antibiotik terhadap Pertumbuhan Klebsiella pneumonia dari Sputum Penderita Infeksi Saluran Pernapasan Bawah. In *Education, Economics, Science, and Technology* (Vol. 3). https://creativecommons.org/licenses/by-nc/4.0/

Rao, S.P.N. 2015. Phenotypic and Genotypic Characterization of Extended Spectrum Beta-Lactamases in Escherichia coli and *Klebsiella pneumoniae* Isolated Across Karnataka. Department of Microbiology, Sri Devaraj Urs Medical College, Kolar, Karnataka. 1-198.

Ryan, K.J., Ray, C.G. 2014. Antibacterial Agents and Resistance in Sherris Medical Microbiology. Mc Graw Hill. New York. 6th Edition. 407-432.

Santhi, I. A., Manuaba, P., Sri Iswari, I., Januartha, K., & Pinatih, P. (n.d.). PREVALENSI BAKTERI Escherichia coli DAN *Klebsiella pneumoniae* PENGHASIL EXTENDED SPECTRUM BETA LACTAMASE (ESBL) YANG DIISOLASI DARI PASIEN PNEUMONIA DI RSUP SANGLAH PERIODE TAHUN 2019-2020. *DESEMBER*, *10*(12), 2021. https://doi.org/10.24843.MU.2021.V10.i12.P10

Shaik, S., Fatima, J., Shakil, S., Rizvi, M.D., *et al*. 2015. Antibiotic Resistance and Extended Spectrum Beta-Lactamases: Types, Epidemiology and Treatment. Saudi Journal of Biological Sciences. 22, 90-101.

Silago, V., Kovacs, D., Samson, H., Seni, J., Matthews, L., Oravcová, K., Lupindu, A. M., Hoza, A. S., & Mshana, S. E. (2021). Existence of multiple esbl genes among phenotypically confirmed esbl producing *Klebsiella pneumoniae* and escherichia coli concurrently isolated from clinical, colonization and contamination samples from neonatal units at bugando medical center, mwanza, tanzania. *Antibiotics*, *10*(5). https://doi.org/10.3390/antibiotics10050476

Sinanjung, K., Abu, T.A., Hera, N. 2020. Extended spectrum beta lactamase (ESBL)-producing *Klebsiella pneumoniae* clinical isolate and its susceptibility pattern to antibiotics at Dr. Soeradji Tirtonegoro General Hospital Klaten, Central Java. J Med Sci. Vol 52. 17-27.

Sodikin Kurniawan, S.Tr. A.K, Pengujian Urea Pada Bakteri - Urease Test, 23 Januari 2022, dipublikasikan www.atlm-edu.id URL : https://www.atlm-edu.id/2022/01/pengujian-urea-pada-bakteri-urease-test.html

Thenmozhi, S., Moorthy, K., Sureshkumar, B.T., Suresh, M. 2014. Antibiotic Resistance Mechanism of ESBL Producing Enterobacteriaceae in Clinical Field: A Review. Int. J. Pure App. Biosci. India. 2 (3): 207-226.

Wang, P., Hu, F., Xiong, Z., Ye, X., Zhu, D., *et al*. 2011. Susceptibility of Extended-Spectrum-Beta-Lactamase-Producing Entero Bacteriaceae According to the New CLSI Breakpoints. J Clin Microbiol. 49(9):3127-31.

Yamasaki, S., Shigemura, K., Osawa, K., Kitagawa, K., Ishii, A., Kuntaman, K., Shirakawa, T., Miyara, T., & Fpengujiansawa, M. (2021). Genetic analysis of ESBL-producing *Klebsiella pneumoniae* isolated from UTI patients in Indonesia. *Journal of Infection and Chemotherapy*, *27*(1), 55–61. https://doi.org/10.1016/j.jiac.2020.08.007