

## DAFTAR PUSTAKA

- Adler, Amos, Na'ama Sturlesi, Noga Fallach, Deniz Zilberman-Barzilai, Omar Hussein, Shlomo E. Blum, Eyal Klement, Mitchell J. Schwaber, and Yehuda Carmeli. 2016. "Prevalence, Risk Factors, and Transmission Dynamics of Extended-Spectrum-Beta-Lactamase-Producing Enterobacteriaceae: A National Survey of Cattle Farms in Israel in 2013 (Vol 53, Pg 3515, 2015)." *JOURNAL OF CLINICAL MICROBIOLOGY* 54(6):1671.
- Aksu, Nihal Uyar, Zelal Ekinci, Devrim Dündar, and Canan Baydemir. 2017. "Childhood Urinary Tract Infection Caused by Extended-spectrum  $\beta$ -lactamase-producing Bacteria: Risk Factors and Empiric Therapy." *Pediatrics International* 2(59):176–80.
- Alkan, Fatoş, Salih Gözmen, Nuri Bayram, Gamze Gülfidan, Hurşit Apa, Nurettin Ünal, and İlker Devrim. 2017. "Risk Factors for Bacteremia with Extended-Spectrum  $\beta$ -Lactamase Production in Positive *Escherichia Coli* Bacteremia in a Pediatric Setting." *American Journal of Infection Control* 45(12):1414–15.
- Bbosa, Godfrey S. and Norah Mwebaza. 2013. "Global Irrational Antibiotics/Antibacterial Drugs Use: A Current and Future Health and Environmental Consequences." *Microbial Pathogens and Strategies for Combating Them: Science, Technology and Education. Formataex, Badajoz.*
- Al Benwan, Khalifa, Noura Al Sweih, and Vincent O. Rotimi. 2010. "Etiology and Antibiotic Susceptibility Patterns of Community-and Hospital-Acquired Urinary Tract Infections in a General Hospital in Kuwait." *Medical Principles and Practice* 19(6):440–46.
- Bhusal, Y., C. N. Mihu, J. J. Tarrand, and K. V Rolston. 2011. "Incidence of Fluoroquinolone-Resistant and Extended-Spectrum  $\beta$ -Lactamase-Producing *Escherichia Coli* at a Comprehensive Cancer Center in the United States." *Cancer Chemotherapy* 57(4):335–38.
- Bilavsky, E., E. Temkin, Y. Lerman, A. Rabinovich, J. Salomon, C. Lawrence, A. Rossini, A. Salvia, J. V Samso, J. Fierro, M. Paul, J. Hart, M. Gniadkowski, M. Hochman, M. Kazma, A. Klein, A. Adler, M. J. Schwaber, and Y. Carmeli. 2014. "Risk Factors for Colonization with Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae on Admission to Rehabilitation Centres." *Clinical Microbiology and Infection* 20(11):O804–10.
- Bush, Karen and Jed F. Fisher. 2011. "Epidemiological Expansion, Structural Studies, and Clinical Challenges of New  $\beta$ -Lactamases from Gram-Negative Bacteria." *Annual Review of Microbiology* 65:455–78.
- Bustan, Muh Najib. 2006. "Pengantar Epidemiologi." *Jakarta: Rineka Cipta.*
- Calitri, Carmelina, Carlo Scolfaro, Sara Colombo, Gianfranco De Intinis, Francesca Carraro, Silvia Garazzino, and Pier-Angelo Tovo. 2016. "Extended-Spectrum

- Beta Lactamase-Producing Enterobacteriaceae among the Pediatric Population: Who Is at Risk and Why? Results from a Single-Centre Prospective Study.” *Le Infezioni in Medicina : Rivista Periodica Di Eziologia, Epidemiologia, Diagnostica, Clinica e Terapia Delle Patologie Infettive* 24(4):318–25.
- Cassettari, V. C., I. R. Da Silveira, M. Dropa, N. Lincopan, E. M. Mamizuka, M. H. Matté, G. R. Matté, and P. R. Menezes. 2009. “Risk Factors for Colonisation of Newborn Infants during an Outbreak of Extended-Spectrum β-Lactamase-Producing Klebsiella Pneumoniae in an Intermediate-Risk Neonatal Unit.” *Journal of Hospital Infection* 71(4):340–47.
- CDC. 2010. “Laboratory Detection of Extended-Spectrum β-Lactamases (ESBLs) | HAI | CDC.” Retrieved ([https://www.cdc.gov/hai/settings/lab/lab\\_esbl.html](https://www.cdc.gov/hai/settings/lab/lab_esbl.html)).
- CDC. 2013. “Antibiotic Resistance Threats in the United States.” *Current* 114.
- Chishimba, K., B. M. Hang’Ombe, K. Muzandu, S. E. Mshana, M. I. Matee, C. Nakajima, and Y. Suzuki. 2016. “Detection of Extended-Spectrum Beta-Lactamase-Producing Escherichia Coli in Market-Ready Chickens in Zambia.” *International Journal of Microbiology* 2016.
- Cohen, Jonathan, William G. Powderly, and Steven M. Opal. 2017. *Infectious Diseases (Fourth Edition)*. Elsevier.
- Dahlan, M. Sopiyudin. 2009. “Besar Sampel Dan Cara Pengambilan Sampel Dalam Penelitian Kedokteran Dan Kesehatan.” Jakarta: Salemba Medika 34.
- Denis, B., M. Lafaurie, J. L. Donay, J. P. Fontaine, E. Oksenhendler, E. Raffoux, C. Hennequin, M. Allez, G. Socie, and N. Maziers. 2015. “Prevalence, Risk Factors, and Impact on Clinical Outcome of Extended-Spectrum Beta-Lactamase-Producing Escherichia Coli Bacteraemia: A Five-Year Study.” *International Journal of Infectious Diseases* 39:1–6.
- Denkel, Luisa A., Frank Schwab, Axel Kola, Rasmus Leistner, Lars Garten, Katharina von Weizsäcker, Christine Geffers, Petra Gastmeier, and Brar Piening. 2014. “The Mother as Most Important Risk Factor for Colonization of Very Low Birth Weight (VLBW) Infants with Extended-Spectrum β-Lactamase-Producing Enterobacteriaceae (ESBL-E).” *Journal of Antimicrobial Chemotherapy* 69(8):2230–37.
- Dhillon, Rishi H. P. and John Clark. 2012. “ESBLs: A Clear and Present Danger?” *Critical Care Research and Practice*.
- Flokas, Myrto Eleni, Stylianis Karanika, Michail Alevizakos, and Eleftherios Mylonakis. 2017. “Prevalence of ESBL-Producing Enterobacteriaceae in Pediatric Bloodstream Infections: A Systematic Review and Meta-Analysis.” *PLOS ONE* 12(1):e0171216.
- Forslund, Kristoffer, Shinichi Sunagawa, Jens Roat Kultima, Daniel R. Mende, Manimozhiyan Arumugam, Athanasios Typas, and Peer Bork. 2013.

- “Country-Specific Antibiotic Use Practices Impact the Human Gut Resistome.” *Genome Research* 23(7):1163–69.
- Fouhy, Fiona, R. Paul Ross, Gerald F. Fitzgerald, Catherine Stanton, and Paul D. Cotter. 2014. “A Degenerate PCR-Based Strategy as a Means of Identifying Homologues of Aminoglycoside and  $\beta$ -Lactam Resistance Genes in the Gut Microbiota.” *BMC Microbiology* 14(1):25.
- Francino, M. P. 2016. “Antibiotics and the Human Gut Microbiome: Dysbioses and Accumulation of Resistances.” *Frontiers in Microbiology* 6(JAN):1–11.
- Goyal, Dheeraj, Kristin Dascomb, Peter S. Jones, and Bert K. Lopansri. 2017. “Risk Factors for Community Acquired Extended-Spectrum B-Lactamase (ESBL) Producing Enterobacteriaceae Urinary Tract Infections (UTIs).” P. S345 in *Open forum infectious diseases*. Vol. 4. Oxford University Press.
- Gunawan, Sulistia Gan, ed. 2007. *Farmakologi Dan Terapi Edisi 5*.
- Hanna-Wakim, Rima H., Soha T. Ghanem, Mona W. El Helou, Sarah A. Khafaja, Rouba A. Shaker, Sara A. Hassan, Randa K. Saad, Carine P. Hedari, Rima W. Khinkarly, and Farah M. Hajar. 2015. “Epidemiology and Characteristics of Urinary Tract Infections in Children and Adolescents.” *Frontiers in Cellular and Infection Microbiology* 5:45.
- Hidron, Alicia I., Jonathan R. Edwards, Jean Patel, Teresa C. Horan, Dawn M. Sievert, Daniel A. Pollock, and Scott K. Fridkin. 2008. “Antimicrobial-Resistant Pathogens Associated with Healthcare-Associated Infections: Annual Summary of Data Reported to the National Healthcare Safety Network at the Centers for Disease Control and Prevention, 2006–2007.” *Infection Control & Hospital Epidemiology* 29(11).
- Hijazi, S. M., M. A. Fawzi, F. M. Ali, and K. H. Abd El Galil. 2016. “Prevalence and Characterization of Extended-Spectrum Beta-Lactamases Producing Enterobacteriaceae in Healthy Children and Associated Risk Factors.” *Annals of Clinical Microbiology and Antimicrobials* 15:3.
- Hijazi, Soumaya Moustafa, Mohamad Anwar Fawzi, Faten Moustafa Ali, and Khaled Hussein Abd El Galil. 2016. “Multidrug-Resistant ESBL-Producing Enterobacteriaceae and Associated Risk Factors in Community Infants in Lebanon.” *The Journal of Infection in Developing Countries* 10(09):947–55.
- Hille, Katja, Inga Ruddat, Annette Schmid, Johanna Hering, Maria Hartmann, Christiane von Münchhausen, Bettina Schneider, Ute Messelhäuser, Anika Friese, Rolf Mansfeld, Annemarie Käsbohrer, Stefan Hörmansdorfer, Uwe Roesler, and Lothar Kreienbrock. 2017. “Cefotaxime-Resistant E. Coli in Dairy and Beef Cattle Farms—Joint Analyses of Two Cross-Sectional Investigations in Germany.” *Preventive Veterinary Medicine* 142:39–45.
- Huang, Te-Din, Pierre Bogaerts, Catherine Berhin, Amelie Guisset, and Youri Glupczynski. 2010. “Evaluation of Brilliance ESBL Agar, a Novel

- Chromogenic Medium for Detection of Extended-Spectrum-Beta-Lactamase-Producing Enterobacteriaceae.” *Journal of Clinical Microbiology* 48(6).
- Kang, Cheol-In, Yu Mi Wi, Mi Young Lee, Kwan Soo Ko, Doo Ryeon Chung, Kyong Ran Peck, Nam Yong Lee, and Jae-Hoon Song. 2012. “Epidemiology and Risk Factors of Community Onset Infections Caused by Extended-Spectrum  $\beta$ -Lactamase-Producing Escherichia Coli Strains.” *Journal of Clinical Microbiology* 50(2):312–17.
- Katzung, Bertram G., ed. 2004. *Farmakologi Dasar Dan Klinik*.
- Khanfar, Husam S., Khalid M. Bindaya, Abiola C. Senok, and Giuseppe A. Botta. 2009. “Extended Spectrum Beta-Lactamases (ESBL) in Escherichia Coli and Klebsiella Pneumoniae: Trends in the Hospital and Community Settings.” *The Journal of Infection in Developing Countries* 3(04):295–99.
- Kiremitçi, Abdurrahman, Ener Çagn Dinleyici, Zeynel Abidin Yargic, Gül Durmaz, Neslihan Tekin, Askin Derya Aybey, and Mehmet Arif Aksit. 2011. “Prevalence and Risk Factors of Fecal Carriage of Extended-Spectrum [Beta]-Lactamase (ESBL)-Producing Enterobacteriaceae in Hospitalized and Ambulatory Children/Çocuklarda Genisletilmis Spektrumlu Beta Laktamaz Üreten Enterobacteriaceae Fekal Tasiyiciligi .” *Cocuk Enfeksiyon Dergisi* 5(2):54.
- Leistner, Rasmus, Elisabeth Meyer, Petra Gastmeier, Yvonne Pfeifer, Christoph Eller, Petra Dem, and Frank Schwab. 2013. “Risk Factors Associated with the Community-Acquired Colonization of Extended-Spectrum Beta-Lactamase (ESBL) Positive Escherichia Coli. An Exploratory Case-Control Study.” *PloS One* 8(9):e74323.
- Li, David X., Anna C. Sick-Samuels, Nuntra Suwantarat, Rebecca G. Same, Patricia J. Simner, and Pranita D. Tammar. 2018. “Risk Factors for Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae Carriage Upon Pediatric Intensive Care Unit Admission.” *Infection Control and Hospital Epidemiology* 39(1):116–18.
- Lukac, Paul J., Robert A. Bonomo, and Latania K. Logan. 2015. “Extended-Spectrum  $\beta$ -Lactamase-Producing Enterobacteriaceae in Children: Old Foe, Emerging Threat” edited by R. A. Weinstein. *Clinical Infectious Diseases: An Official Publication of the Infectious Diseases Society of America* 60(9):1389–97.
- Mahon, Connie R., Donald C. Lehman, and George Manuselis. 2014. *Textbook of Diagnostic Microbiology*. Elsevier Health Sciences.
- Nakamura, K., M. Kaneko, Y. Abe, N. Yamamoto, H. Mori, A. Yoshida, K. Ohashi, S. Miura, T. T. Yang, and N. Momoi. 2016. “Outbreak of Extended-Spectrum  $\beta$ -Lactamase-Producing Escherichia Coli Transmitted through Breast Milk Sharing in a Neonatal Intensive Care Unit.” *Journal of Hospital Infection* 92(1):42–46.

- Nisha, Kallyadan V, Shetty A. Veena, Shenoy D. Rathika, Shenoy M. Vijaya, and Shetty K. Avinash. 2017. "Antimicrobial Susceptibility, Risk Factors and Prevalence of Bla Cefotaximase, Temoneira, and Sulfhydryl Variable Genes among Escherichia Coli in Community-Acquired Pediatric Urinary Tract Infection." *Journal of Laboratory Physicians* 9(3):156.
- Norouzi, F., S. Kh Shokouhi Mostafavi, F. Hasanzadeh, and F. Nojoomi. 2018. "Risk Factors Associated with ESBL and CPE Acquisition Among Pediatrics: A Systematic Review." *Infection Epidemiology and Microbiology* 4(1):30–37.
- Östhholm-Balkhed, Åse, Maria Tärnberg, Maud Nilsson, Lennart E. Nilsson, Håkan Hanberger, Anita Hällgren, and Travel Study Group of Southeast Sweden. 2013. "Travel-Associated Faecal Colonization with ESBL-Producing Enterobacteriaceae: Incidence and Risk Factors." *Journal of Antimicrobial Chemotherapy* 68(9):2144–53.
- Pajariu, A. 2010. "Infeksi Oleh Bakteri Penghasil Extended-Spectrum Beta-Lactamase (ESBL) Di RSUP Dr. Kariadi Semarang: Faktor Risiko Terkait Penggunaan Antibiotik." *Sarjana Skripsi, Universitas Diponegoro*.
- Rawat, Deepti and Deepthi Nair. 2010. "Extended-Spectrum  $\beta$ -Lactamases in Gram Negative Bacteria." *Journal of Global Infectious Diseases* 2(3):263–74.
- Rettedal, Siren, Iren Høyland Löhr, Olav Natås, Arnfinn Sundsfjord, and Knut Øymar. 2013. "Risk Factors for Acquisition of CTX-M-15 Extended-Spectrum Beta-Lactamase-Producing Klebsiella Pneumoniae during an Outbreak in a Neonatal Intensive Care Unit in Norway." *Scandinavian Journal of Infectious Diseases* 45(1):54–58.
- Sanchez, Guillermo V, Ronald N. Master, James A. Karlowsky, and Jose M. Bordon. 2012. "In Vitro Antimicrobial Resistance of Urinary E. Coli among US Outpatients from 2000 to 2010." *Antimicrobial Agents and Chemotherapy* AAC-06060.
- Schmid, A., S. Hörmansdorfer, U. Messelhäusser, A. Käsbohrer, C. Sauter-Louis, and R. Mansfeld. 2013. "Prevalence of Extended-Spectrum  $\beta$ -Lactamase-Producing Escherichia Coli on Bavarian Dairy and Beef Cattle Farms." *Applied and Environmental Microbiology* 79(9):3027–32.
- Shaikh, Sibhghatulla, Jamale Fatima, Shazi Shakil, Syed Mohd Danish Rizvi, and Mohammad Amjad Kamal. 2015a. "Antibiotic Resistance and Extended Spectrum Beta-Lactamases: Types, Epidemiology and Treatment." *Saudi Journal of Biological Sciences* 22(1):90–101.
- Shaikh, Sibhghatulla, Jamale Fatima, Shazi Shakil, Syed Mohd Danish Rizvi, and Mohammad Amjad Kamal. 2015b. "Risk Factors for Acquisition of Extended Spectrum Beta Lactamase Producing Escherichia Coli and Klebsiella Pneumoniae in North-Indian Hospitals." *Saudi Journal of Biological Sciences* 22(1):37–41.

- Singh, Asem Sanjit, Manjusha Lekshmi, Sreepriya Prakasan, and Binaya Bhusan Nayak. 2017. "Multiple Antibiotic-Resistant, Extended Spectrum- $\beta$ -Lactamase (ESBL)-Producing Enterobacteria in Fresh Seafood." *Microorganisms* 5(4):53.
- Søraas, Arne, Arnfinn Sundsfjord, Irene Sandven, Cathrine Brunborg, and Pål A. Jenum. 2013. "Risk Factors for Community-Acquired Urinary Tract Infections Caused by ESBL-Producing Enterobacteriaceae—a Case-control Study in a Low Prevalence Country." *PloS One* 8(7):e69581.
- Suwantarart, Nuntra and Karen C. Carroll. 2016. "Epidemiology and Molecular Characterization of Multidrug-Resistant Gram-Negative Bacteria in Southeast Asia." *Antimicrobial Resistance & Infection Control* 5(1):15.
- Tawfik, Abdulkader F., Abdulaziz M. Alswailem, Atef M. Shibli, and Mohamed H. M. Al-Agamy. 2011. "Prevalence and Genetic Characteristics of TEM, SHV, and CTX-M in Clinical Klebsiella Pneumoniae Isolates from Saudi Arabia." *Microbial Drug Resistance* 17(3):383–88.
- Thakur, S., N. Pokhrel, and M. Sharma. 2013. "Prevalence of Multidrug Resistant Enterobacteriaceae and Extended Spectrum  $\beta$  Lactamase Producing Escherichia Coli in Urinary Tract Infection." *Res J Pharm Biol Chem Sci* 4(2):1615.
- Topaloglu, Rezan, Ilkay Er, Bahar Guciz Dogan, Yelda Bilginer, Fatihi Ozaltin, Nesrin Besbas, Seza Ozen, Aysin Bakkaloglu, and Danny Gur. 2010. *Risk Factors in Community-Acquired Urinary Tract Infections Caused by ESBL-Producing Bacteria in Children*. Vol. 25.
- Tsai, Ming-Horng, Shih-Ming Chu, Jen-Fu Hsu, Reyin Lien, Hsuan-Rong Huang, Ming-Chou Chiang, Ren-Huei Fu, Chiang-Wen Lee, and Yhu-Chering Huang. 2014. "Risk Factors and Outcomes for Multidrug-Resistant Gram-Negative Bacteremia in the NICU." *Pediatrics* peds-2013.
- Utami, Eka Rahayu. 2012. "Antibiotika, Resistensi, Dan Rasionalitas Terapi." *El-Hayah* 1(4).
- Vaishampayan, Parag A., Jennifer V Kuehl, Jeffrey L. Froula, Jenna L. Morgan, Howard Ochman, and M. Pilar Francino. 2010. "Comparative Metagenomics and Population Dynamics of the Gut Microbiota in Mother and Infant." *Genome Biology and Evolution* 2:53–66.
- Vijayakanthi, Nandini, Dheeraj Bahl, Nirmaljit Kaur, Arti Maria, and Nand Kishore Dubey. 2013. "Frequency and Characteristics of Infections Caused by Extended-Spectrum Beta-Lactamase-Producing Organisms in Neonates: A Prospective Cohort Study." *BioMed Research International* 2013:756209.
- De Vries, Lisbeth E., Yvonne Vallès, Yvonne Agersø, Parag A. Vaishampayan, Andrea García-Montaner, Jennifer V Kuehl, Henrik Christensen, Miriam Barlow, and M. Pilar Francino. 2011. "The Gut as Reservoir of Antibiotic

Resistance: Microbial Diversity of Tetracycline Resistance in Mother and Infant.” *PloS One* 6(6):e21644.

Yenny, Yenny and Elly Herwana. 2016. “Resistensi Dari Bakteri Enterik: Aspek Global Terhadap Antimikroba.” *Universa Medicina* 26(1).

Al Yousef, Sulaiman Ali, Sabry Younis, Eman Farrag, Husseiny Sh Moussa, Faten Sayed Bayoumi, and Ahmed Mohamed Ali. 2016. “Clinical and Laboratory Profile of Urinary Tract Infections Associated with Extended Spectrum  $\beta$ -Lactamase Producing Escherichia Coli and Klebsiella Pneumoniae.” *Annals of Clinical & Laboratory Science* 46(4):393–400.

Zerr, Danielle M., Arianna Miles-Jay, Matthew P. Kronman, Chuan Zhou, Amanda L. Adler, Wren Haaland, Scott J. Weissman, Alexis Elward, Jason G. Newland, Theoklis Zaoutis, and Xuan Qin. 2016. “Previous Antibiotic Exposure Increases Risk of Infection with Extended-Spectrum- $\beta$ -Lactamase-and AmpC-Producing &lt;Span Class="Named-Content Genus-Species"; Id="Named-Content-1">Escherichia Coli</Span> and &lt;Span Class="Named-Content-1">Escherichia Coli</Span> and &lt;Span Class="Named-Content-1">Escherichia Coli</Span>.” *Antimicrobial Agents and Chemotherapy* 60(7):4237 LP-4243.