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Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Abushaheen, M.A., Fatani, A.J., Alosaimi, M., Mansy, W., George, M., Acharya, S., Rathod, S., Divakar, D.D., Jhugroo, C., Vellappally, S., 2020, Antimicrobial Resistance, Mechanisms and Its Clinical Significance, *Disease-a-Month*. 66(4), 435-442.

Ahmad, P., Dummer, P., Noorani, T., Asif, J., 2019, The Top 50 Most-Cited Articles Published In The International Endodontic Journal, *Int. Endod. J.*, 52(7), 803–81.

Anggara, P., Herman, H., Emelda, A., 2014, Evaluasi Penggunaan Antibiotika Terhadap Pasien Pneumonia Komuniti Di Rumah Sakit Ibnu Sina Makassar, *AsSyifaa*, 06(1), 61–72.

Arifah, G., Halimah, E., Abdulah, R., 2018, Comparison of Effectiveness between Combination of Beta-Lactam with Azyhtromycin or Levofloxacin for Adult Pneumonia Patients, *Pharmacology and Clinical Pharmacy Research.*, 3(1), 12-16.

Biblioshiny, 2024, Biblioshiny, The shiny app for no coders, https://www.vosviewer.com/, 28 September 2024

Blair, M.A., Webber, A.J., Baylay, D.O., Ogbolu, L.J., 2015, Piddock Molecular Mechanisms Of Antibiotic Resistance Nat Rev, *Microbiol*, 13(2), 42-51.

Bradley J.L., Miranda, S.. Marina, S., Valerie, L., Jennifer, L., Tiffany, K., Sumit, R., Mia, E. S., Kwadwo, M., Ashley, F., Elizabeth, L., Jean-Paul, R., Alessandro, C., Derek, M., Nick, D., Silvia, B., 2023, Antimicrobial resistance in patients with COVID-19: a systematic review and meta-analysis, The Lancet Microbe, Volume 4, Issue 3, https://doi.org/10.1016/S2666-5247(22)00355-X.

Brar, R.K., Jyoti, U., Patil, R.K., Patil, H.C, 2020, Fluoroquinolone Antibiotics: An Overview. Adesh Univ. *J. Med. Sci. Res.* 2(26), 1432-1447.

Brunton, L.L., Hilal-Dandab, R., Knollmann, B.C.2018, *Goodman & Gilman's: The Pharmacological Basis of Therapeutics*, 13th ed, The Routledge Companion to Aesthetics. McGraw Hill Education, USA.

Bush, P.A., 2016, Bradford β-lactams and β-lactamase inhibitors: an overview Cold Spring Harb Perspect Med, *Microbiol*, 10(7), 1101-1113.

Cariou E, Griffier R, Orieux A, Silva S, Faguer S, Seguin T, Nseir S, Canet E, Desclaux A, Souweine B, Klouche K, Guisset O, Pillot J, Picard W, Saghi T, Delobel P, Gruson D, Prevel R, Boyer A., 2023, Efficacy of carbapenem vs non carbapenem β-lactam therapy as empiric antimicrobial therapy in patients with extended-spectrum β-lactamase-producing Enterobacterales urinary septic shock: a propensity-weighted multicenter cohort study, *Ann Intensive Care*. Vol 13(1):22. doi: 10.1186/s13613-023-01106-z.

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
Nirvane Zefanya Kasih, Prof. Dr. apt. Agung Endro Nugroho, M. Si.; apt. Arief Rahman Hakim, M.Si.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

CDC, 2022, Antibiotic resistance threats in the United States, Atlanta, *GA: Centers for Disease Control and Prevention*, 10(14), 1562-1573.

CDC, 2024, Management and Prevention Guidelines, *Centers for Disease Control and Prevention*, https://www.cdc.gov/pneumonia/hcp/management-prevention-guidelines/index.html, 4 April 2025.

Cherazard, R., Epstein, M., Doan, T., Salim, T., Bharti, S., Smith, M.A., 2017, Antimicrobial Resistant Streptococcus Pneumoniae: Prevalence, Mechanisms, and Clinical Implications. *Am. J. Ther.* 24(4), 361–369.

Chisholm-Burns, M.A., Schwinghammer, T.L., Malone, P.M., Kolesar, J.M., Lee, K.C., dan Bookstaver, P.B., 2019, *Pharmacotherapy Principles and Practice*, 5th ed, McGraw Hill Education. *McGraw Hill Education,* USA.

Cillóniz, C., Garcia-Vidal, C., Ceccato, A.; Torres, A., 2018, Antimicrobial Resistance Among Streptococcus Pneumoniae. In Antimicrobial Resistance in the 21st Century*; Springer International Publishing: Cham,* Switzerland, pp. 13–38.

Cruz, C.S. Dela, Evans, S.E., Restrepo, M.I., Dean, N., Torres, A., Amara-Elori, I., dkk., 2021, Understanding the Host in the Management of Pneumonia: An Official American thoracic Society Workshop Report. *Annals of the American Thoracic Society*, 18: 1087–1097.

Dagli N, Haque M, Kumar S., 2024, Bibliometric Insights Into the Evolving Landscape of Antibiotic Resistance Research: Trends, Collaborations, and Key Foci (1965-2023). *Cureus* 16(2): e53508. DOI 10.7759/cureus.53508

Dicker D, Nguyen G, Abate D dkk., 2017, Global, Regional, And National Age-Sex-Specific Mortality And Life Expectancy, 1950-2017: a systematic analysis for the Global Burden of Disease Study. *Lancet.* 392:1684–1735.

DiPiro, J.T., Yee, G.C., Posey, L.M., Haines, S.T., Nolin, T.D., dan Ellingrod, V., 2020, *Pharmacotherapy: A Pathophysiologic Approach*, 11th ed. USA.

Dramé, O. dkk., 2020, Antimicrobial Resistance Of Campylobacter In Broiler Chicken Along The Food Chain In Canada. *Foodborne Pathog. Dis.* 17(3), 512–520.

Elsevier, 2017, Content Policy and Selection. https://www.elsevier.com/solutions/scopus/content/content-policy-and selection, 8 Oktober 2024.

Fupin Hu, Demei Zhu, Fu Wang, Minggui Wang, 2018, Current Status and Trends of Antibacterial Resistance in China, *Clinical Infectious Diseases*, Volume 67, Issue suppl_2, Pages S128–S134, https://doi.org/10.1093/cid/ciy657

Grief, S.N., & Loza, J.K., 2018, Guidelines for the Evaluation and Treatment of Pneumonia. *Primary Care, Clinics in Office Practice,* 45(3), 485–503

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
Nirvane Zefanya Kasih, Prof. Dr. apt. Agung Endro Nugroho, M. Si.; apt. Arief Rahman Hakim, M.Si.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Hammer, G.D. dan McPhee, S.J., 2019, *Pathophysiology of Disease: An Introduction to Clinical Medicine*, 8th ed, Mc Graw Hill Education. USA.

Hugar, Jayaprakash & Sab, Chaman, 2020, Research Publication Trend in Pharmaceutical Sciences: A Bibliometric analysis during 2013-2017. *International Journal of Library and Information Science*. 8. 115-122.

Hutchings, M., Truman, A., Wilkinson, B., 2019, Antibiotics: past, present, and future, *Current Opinion in Microbiology*, 51(2), 72-80.

IHME, 2023, The burden of antimicrobial resistance (AMR) in Germany, Institute for Health Metrics and Evaluation, University of Washington, https://www.healthdata.org/sites/default/files/2023-09/Germany.pdf.

Jia, Y.; Zhao, L., 2021, The Antibacterial Activity of Fluoroquinolone Derivatives: An Update (2018–2021). *Eur. J. Med. Chem*. 34(5), 224-232.

Jansen, A., Wang, R., Behrens, P., Hoekstra, R., 2024, Beyond GDP: a review and conceptual framework for measuring sustainable and inclusive wellbeing, *The Lancet*, Volume 8.

Joegijantoro, R., 2019, Penyakit Infeksi, Intimedia Kelompok Intrans Publishing. Intimedia Kelompok Intrans Publishing, Malang, Indonesia.

Katzung, B.G., Kruidering-Hall, M., dan Trevor, A.J., 2019, *Katzung & Trevor's: Pharmacology Examination & Board Review*, 12th ed, Katzung & Trevor's pharmacology examination & board review. McGraw Hill Education, USA.

Kariuki, S., 2024, Global burden of antimicrobial resistance and forecasts to 2050, *The Lancet*, Vol 404, 10459.

Kementerian Kesehatan Republik Indonesia, 2021, Profil Kesehatan Indonesia 2020. https://www.kemkes.go.id/id/profil-kesehatan-indonesia-2021, 28 September 2024.

Kementerian Kesehatan Republik Indonesia, 2021, *Pedoman Penggunaan Antibiotik. Menteri Kesehatan Republik Indonesia*. Jakarta.

Kementerian Kesehatan Republik Indonesia, 2022, Pengaruh Kelengkapan Rekam Medis Terhadap Klaim JKN, https://yankes.kemkes.go.id/view_artikel/461/pengaruh-kelengkapan-rekammedis-terhadap-klaim-jkn, 8 Oktober 2024.

Kurniasari, S. dkk., 2020, Penggunaan Antibiotik oleh Penderita Infeksi Saluran Kemih di Instalasi Rawat Inap (IRNA) 2 RSUD Dr. H. Slamet Martodirdjo Pamekasan Tahun 2018. *JIPA*, 01(01), 1-8.

Lim, W.S., 2022, Pneumonia-Overview. Encyclopedia of Respiratory Medicine, 4(9) 185–197.

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
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Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Lin, K. Nishino, M.C. Roberts, M. Tolmasky, R.I. Aminov, L. Zhang, 2015, Mechanisms of antibiotic resistance, *Front Microbiol,* 6(7), 34-52.

Liu, Q., Zhu, W., 2025, Diversity of β-lactamase resistance and genome of *Morganella* clinical isolates in China, *The Lancet,* Vol 6, No 1, 101003.

Mohanty, S., Kristen, F., Kalvin, C., Janet, A., Vikas, G., 2023, Trends in Streptococcus pneumoniae Antimicrobial Resistance in US Children: A Multicenter Evaluation, *Open Forum Infectious Diseases*, Volume 10, Issue 3, ofad098, https://doi.org/10.1093/ofid/ofad098.

Mohsen, N., 2024, Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050, *The Lancet,* Volume 404, 10459.

Naveen Donthu, Satish Kumar, Debmalya Mukherjee, Nitesh Pandey, Weng Marc Lim, 2021, How to conduct a bibliometric analysis: An overview and guidelines, *Journal of Business Research,* Volume 133, Pages 285-296.

Oliveira OJ, Silva FF, Juliani F, Ferreira LC, Nunhes T.V., 2019, Bibliometric Method for Mapping the State-of-the-Art and Identifying Research Gaps and Trends in Literature: An Essential Instrument to Support the Development of Scientific Projects. 10.5772/intechopen.85856.

Pandey, N. dan Cascella, M., 2023, *Beta Lactam Antibiotics,* Istituto Nazionale Tumori, Napoli. Italy.

PDPI, 2021, Panduan Umum Praktis Klinis Penyakit Paru dan Pernapasan. Perhimpunan Dokter Paru Indonesia, https://bukupdpi.klikpdpi.com/wp-content/uploads/2022/08/BUKU-PUPK-PDPI-2021.pdf, 10 September 2024.

PNPK, 2023, Pedoman Nasional Pelayanan Kedokteran Tatalaksana Pneumonia Pada Dewasa, Menteri Kesehatan Republik Indonesia.

Putera, P.B., Kusuma, P.T.W., Kadang, S., 2021, Tren Publikasi Ilmiah Internasional Indonesia Tahun 2015-2019, *Journal of Library and Information Science*, Vol. 5 No 1

Prashar, A. dan Sunder, V., 2020, A bibliometric and content analysis of sustainable development in small and medium-sized enterprises. *Journal of Cleaner Production*, 245: 118665.

Prina, E., Ranzani, O.T., Torres, A., 2015, Community-acquired pneumonia, *The Lancet*, Volume 386, Issue 9998p1097-1108.

Reygaert An overview of the antimicrobial resistance mechanisms of bacteria AIMS Microbiol, 4 (2018), pp. 482-501, 10.3934/microbiol.2018.3.482.

Riandika, A. S., Nanang, M.Y., Nuryastuti, T., 2025, Perbandingan antara Efektivitas Penggunaan Fluorokuinolon VS Beta-Laktam dan/atau Makrolida pada Pasien Pneumonia Komunitas Rawat Inap: Sebuah Kajian

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
Nirvane Zefanya Kasih, Prof. Dr. apt. Agung Endro Nugroho, M. Si.; apt. Arief Rahman Hakim, M.Si.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Literatur, *Majalah Farmaseutik*, Vol 21 No 1, https://doi.org/10.22146/farmaseutik.v21i1.94339

Rodiyah, M., Rahmawati, Erwin, A., Erlin S., Bulkis N., 2024, Gambaran Radiologi Foto Toraks Pada Pasien Rawat Inap Yang Terdiagnosis Pneumonia Komunitas. *Jurnal Kesehatan Masyarakat.*Vol 8(2).

Roemer J Janse, Tiny Hoekstra, Kitty J Jager, Carmine Zoccali, Giovanni Tripepi, Friedo W Dekker, Merel van Diepen, 2021, Conducting correlation analysis: important limitations and pitfalls, *Clinical Kidney Journal*, 14(11), 2332–2337,

Russell, C.D., Koch, O., Laurenson, I.F., OShea, D.T., Sutherland, R., & Mackintosh, C.L., 2016, Diagnosis and features of hospital-acquired pneumonia: a retrospective cohort study, J Hosp Infect.

Shah, F.A., Jawaid, S.A., 2023, The h-Index: An Indicator of Research and Publication Output. *Pak J Med Sci* ;39(2):315-316. doi: 10.12669/pjms.39.2.7398. PMID: 36950422; PMCID: PMC10025721.

Sidiq, M., 2019, Panduan Analisis Bibliometrik Sederhana. Universitas Negeri Jakarta, https://doi.org/10.13140/RG.2.2.15688.37125, 28 September 2024.

Simaremare, E.V., 2020, Pendidikan Pemakaian Obat dan Antibiotik di Sekolah Menengah Pertama Negeri 11 Jayapura. Jurnal Pengabdian Kepada Masyarakat.6(4): 241-247.

Sudirman, J., 2022, Dimensi Pengukuran Kualitas Hidup Di Beberapa Negara, *Pallangga Praja*, Volume 4, No. 1.

Survei Kesehatan Indonesia (SKI), 2023, Hasil Utama SKI 2023 BKPK, https://www.badankebijakan.kemkes.go.id/daftar-frequently-asked-question-seputar-hasil-utama-ski-2023/hasil-utama-ski-2023/, 13 Oktober 2024.

Sweileh, W.M., Al-Jabi, S.W., Zyoud, S.H., Sawalha, A.F., & Abu-Taha, A.S., 2018, Global research output in antimicrobial resistance among uropathogens: A bibliometric analysis (2002–2016), *Journal of Global Antimicrobial Resistance*, 13, 104-114.

Theilacker C dkk., 2021, Population-based incidence and mortality of community-acquired pneumonia in Germany. PLoS One, 16(13), 2456-2470.

Tong L. dkk., 2022, Refractory Mycoplasma pneumoniae Pneumonia in Children: Early Recognition and Management. *Journal of Clinical Medicine.* Vol 11: 2824.

Torumkuney, P., Aktas, Z., Unal, S., 2022, Country data on AMR in Türkiye in the context of community-acquired respiratory tract infections: links between antibiotic susceptibility, local and international antibiotic prescribing

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
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Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

guidelines, access to medicine and clinical outcome. *J Antimicrob Chemother* 77 Suppl 1: i51–i60. (DOI:10.1093/jac/dkac217).

Umemura Y, Yamakawa K, Tanaka Y, Yoshimura J, Ogura H, Fujimi S. Efficacy of Carbapenems Compared With Noncarbapenem Broad-Spectrum Beta-Lactam Antibiotics as Initial Antibiotic Therapy Against Sepsis: A Nationwide Observational Study, *Crit Care Med*, Vol:51(9):1210-1221. doi: 10.1097/CCM.0000000000005932.

United Nations Inter-agency Group for Child Mortality Estimation (IGME), 2023, Child mortality, stillbirth, and causes of death estimates, WHO and UNICEF, New York.

UNICEF, 2024, Pneumonia. https://data.unicef.org/topic/child-health/pneumonia/, 29 September 2024.

Velasco-Muñoz, J. F., Aznar-Sánchez, J. A., Belmonte-Ureña, L. J., & López-Serrano, M. J., 2018, Advances in water use efficiency in agriculture: A bibliometric analysis. *Water (Switzerland)*, 10(4).

Veretennik, E., Yudkevich, M., 2023, Inconsistent quality signals: evidence from the regional journals. *Scientometrics* 128, 3675–3701 https://doi.org/10.1007/s11192-023-04723-4.

VOSviewer, 2024, VOSviewer, https://www.vosviewer.com/, 28 September 2024.

Wardhana, A.W.P., Sugihartati, R., Salim, T.A., Ramadhan, R., 2023, Analisis Bibliometrik terhadap Perkembangan Topik Penelitian Standardisasi Kualitas Perpustakaan di Indonesia pada Database Scopus Tahun 2018-2023 Menggunakan VOSviewer dan CitNetExplorer. *Media Pustakawan*. Vol 30(3).

Wibowo, R.A. dan Kurniawan, A.A., 2021, Analisis Korelasi Dalam Penentuan Arah Antar Faktor Pada Pelayanan Angkutan Umum Di Kota Magelang. *Theta Omega: Journal of Electrical Engineering, Computer and Information Technology*. e-ISSN: 2745-6412

World Health Organization, 2020, Pneumonia in children. https://www.who.int/news-room/fact-sheets/detail/pneumonia, 20 September 2024.

World Health Organization (WHO), 2014, Antimicrobial Resistance: Global Report on Surveillance 2014, Antimicrobial Resistance Global Surveillance Report; World Health Organization: Geneva, Switzerland.

Yang, D., Dyar, O., Yin, J., Ma, W., Sun, Q., Lundborg, C., 2024, Antimicrobial resistance in China across human, animal, and environment sectors; a review of policy documents using a governance framework, *The Lancet* Regional Health, Western Pacific, Volume 48, 101111

UNIVERSITAS
GADJAH MADA
Analisis Bibliometrik Tren Penelitian Resistensi Antibiotik Golongan Beta Laktam Pada Pengobatan Pneumonia Dan Analisis Korelasi Faktor-Faktor Yang Mempengaruhi
Nirvane Zefanya Kasih, Prof. Dr. apt. Agung Endro Nugroho, M. Si.; apt. Arief Rahman Hakim, M.Si.
Universitas Gadjah Mada, 2025 | Diunduh dari http://etd.repository.ugm.ac.id/

Yousaf Kazmi S., 2022, The Etymology Of Microbial Nomenclature And The Diseases These Cause In A Historical Perspective. *Saudi J Biol Sci.* 29(11):103-124

Yupi Royani dan Dukariana Idhani, 2018, Analisis Bibliometrik Jurnal Marine Research in Indonesia. Seminar dan Knowledge Sharing Kepustakawan, 25(4), 63-68.

Zhang Y, Yao J, Li W, Wang H., 2022, Global research trends and hotspots in pharmaceutical care: a bibliometric analysis and visualisation using CiteSpace and VOSviewer, *Eur J Hosp Pharm*, 24(3), 113-125.