



DAFTAR PUSTAKA

- Adnan, M.L., 2020. Wanita Usia 26 tahun, Multigravida Hamil 35 Minggu dengan Diagnosis Infeksi Saluran Kemih. *JIMKI: Jurnal Ilmiah Mahasiswa Kedokteran Indonesia*, **7**: 54–59.
- Adriani, K.P., 2017. 'Evaluasi Rasionalitas Penggunaan Antibiotik Pasien Infeksi Saluran Kemih Dewasa di Instalasi Rawat Inap RS Bethesda Yogayakarta tahun 2015', . Universitas Sanata Dharma.
- Albaniah, A.O., 2020. 'Gambaran Kejadian Infeksi Saluran Kemih Berdasarkan Jenis Kelamin, Usia, dan Bakteri Penyebab di Daerah Istimewa Yogyakarta', . Sekolah Tinggi Ilmu Kesehatan Nasional, Solo, Indonesia.
- Al-Hadithi, D., Al-Zakwani, I., Balkhair, A., dan Al Suleimani, Y.M., 2020. Evaluation of the appropriateness of meropenem prescribing at a tertiary care hospital: A retrospective study in Oman. *International Journal of Infectious Diseases*, **96**: 180–186.
- Arumugham, V.B., Gujarathi, R., dan Cascella, M., 2022. Third Generation Cephalosporins, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).
- Bien, J., Sokolova, O., dan Bozko, P., 2012. Role of Uropathogenic Escherichia coli : Virulence Factors in Development of Urinary Tract Infection and Kidney Damage. *International Journal of Nephrology*, **2012**: 1–15.
- Bonkat, G.C., Bartoletti, R., Bruyere, T., Cai, T., Geerlings, S.E., Koves, B., dkk., 2020. EAU Guideline on Urological Infection.
- Chardavoyne, P.C. dan Kasmire, K.E., 2020. Appropriateness of Antibiotic Prescriptions for Urinary Tract Infections. *Western Journal of Emergency Medicine*, **21**: 633–639.
- Chen, P.-C., Chang, L.-Y., Lu, C.-Y., Shao, P.-L., Tsai, I.-J., Tsau, Y.-K., dkk., 2014. Drug susceptibility and treatment response of common urinary tract infection pathogens in children. *Journal of Microbiology, Immunology and Infection*, **47**: 478–483.
- Corbett, A., Golembiewski, J., Gonzales, J., Johnson, S., dan Lowe, J., 2017, *Drug Information Handbook, A Clinically Relevant Resource for All Healthcare Professionals*, 26th Edition. ed. Wolters Kluwer Clinical Drug Information, United States.
- Damayanti, E., 2020. 'Rasionalitas Penggunaan Antibiotik pada Pasien Infeksi Saluran Kemih oleh Bakteri Pengahsil ESBL (Extended Spectrum Beta -



Lactamase) di RSUP Dr. Sardjito Yogyakarta', . Universitas Gadjah Mada, Yogyakarta.

- Etebu, E. dan Arikekpar, I., 2016. Antibiotics: Classification and mechanisms of action with emphasis on molecular perspectives. *bluepanjournals*, **04**: 90–101.
- Eyler, R.F. dan Shvets, K., 2019. Clinical Pharmacology of Antibiotics. *Clinical Journal of the American Society of Nephrology*, **14**: 1080–1090.
- Fernandez, J.M. dan Coyle, E.A., 2020. Urinary Tract Infection and Prostatitis, dalam: DiPiro, J.T., Talbert, R.L., Yee, G.C., Matzke, G.R., Wells, B.G., dan Posey, L.M. (Editor), *Pharmacotherapy: A Pathophysiologic Approach*. McGraw Hill Professional, hal. 5641–5681.
- Gallagher, J.C. dan MacDougall, C., 2012. *Antibiotics Simplified*, 2nd ed. ed. Jones & Bartlett Learning, Sudbury, MA.
- Gashe, F., Mulisa, E., Mekonnen, M., dan Zeleke, G., 2018. Antimicrobial Resistance Profile of Different Clinical Isolates against Third-Generation Cephalosporins. *Journal of Pharmaceutics*, **2018**: 1–7.
- Guyton, A. dan Hall, J., 2016. *Guyton and Hall Textbook of Medical Physiology*, 13th edition. ed. Elsevier, Philadelphia, PA.
- Hajji, M., Jebali, H., Mrad, A., Blel, Y., Brahmi, N., Kheder, R., dkk., 2018. Nephrotoxicity of Ciprofloxacin: Five Cases and a Review of the Literature. *Drug Safety - Case Reports*, **5**: 17.
- Handayani, R.S., Siahaan, S., dan Herman, M.J., 2017. Antimicrobial Resistance and Its Control Policy Implementation in Hospital in Indonesia. *Jurnal Penelitian dan Pengembangan Pelayanan Kesehatan*, 131–140.
- Hassan, M., Tuckman, H.P., Patrick, R.H., Kountz, D.S., dan Kohn, J.L., 2010. Hospital length of stay and probability of acquiring infection. *International Journal of Pharmaceutical and Healthcare Marketing*, **4**: 324–338.
- Irfanuddin, S.K., 2019. *Cara Sistematis Berlatih Meneliti : Merangkai Sistematika Penelitian Kedokteran dan Kesehatan*. PT. Rayyana Komunikasindo.
- Jyothsna, K., Nagaveni, D., Rao, M.R., dan Lakshmi, G.V., 2012. Antibiotic Susceptibility Pattern of Different Pathogens to Antibiotic in Rural Area, India. *Innovative Journal of Medical and Health Science*, **2**: 35–37.
- Kang, C.-I., Kim, J., Park, D.W., Kim, B.-N., Ha, U.-S., Lee, S.-J., dkk., 2018. Clinical Practice Guidelines for the Antibiotic Treatment of Community-Acquired Urinary Tract Infections. *Infection & Chemotherapy*, **50**: 67–100.



Kemenkes RI, 2011, '*Pedoman Umum Penggunaan Antibiotik*', Kementerian Kesehatan Republik Indonesia, Jakarta, Indonesia.

Kemenkes RI, 2015. Peraturan Menteri Kesehatan No. 8 tentang Program Pengendalian Resistensi Antimikroba di Rumah Sakit.

Krawczyk, B., Wityk, P., Gałecka, M., dan Michalik, M., 2021. The Many Faces of *Enterococcus* spp.—Commensal, Probiotic and Opportunistic Pathogen. *Microorganisms*, **9**: 1900.

Lacy, Charles F, Armstrong, dan Lora, L., 2009. *Lexi-Comp's Drug Information Handbook 17th Edition by Lacy, Charles F., Armstrong, Lora L., Goldman, Morton P., La (2008) Paperback*, 17th Edition. ed. Lexi Comp.

Lambrini, K., 2017. The Rational Use of Antibiotics Medicine. *Journal of Healthcare Communications*, **02**: 1-4.

Mamuye, Y., 2016. Antibiotic Resistance Patterns of Common Gram-negative Uropathogens in St. Paul's Hospital Millennium Medical College. *Ethiopian Journal of Health Sciences*, **26**: 93.

Mandal, S., Samanta, S., Bakshi, S., dan Dash, D., 2020. Urinary tract infection in nephrotic syndrome in pediatric age group: a hospital based cross-sectional study. *International Journal of Contemporary Pediatrics*, **7**: 1787.

Martin, R.M. dan Bachman, M.A., 2018. Colonization, Infection, and the Accessory Genome of *Klebsiella pneumoniae*. *Frontiers in Cellular and Infection Microbiology*, **8**: 4.

Mayangsari, S., As, N.A., dan Lisminingsih, R.J., 2021. Prevalensi Infeksi Saluran Kemih (ISK) Pada Pasien Di Rumah Sakit Islam (RSI) Unisma Malang Tahun 2018. *Biosaintropis (Bioscience – Tropic)*, **6**: 34–39.

Medina, M. dan Castillo-Pino, E., 2019. An introduction to the epidemiology and burden of urinary tract infections. *Therapeutic Advances in Urology*, **11**: 3–7.

Mihankhah, A., Khoshbakht, R., Raeisi, M., dan Raeisi, V., 2017. Prevalence and antibiotic resistance pattern of bacteria isolated from urinary tract infections in Northern Iran. *Journal of Research in Medical Sciences*, **22**: 108.

Morales-Alvarez, M.C., 2020. Nephrotoxicity of Antimicrobials and Antibiotics. *Advances in Chronic Kidney Disease*, **27**: 31–37.

Nisnoni, M.H., 2018. 'Profil Sensitifitas Antibiotik Pada Penderita Infeksi Saluran Kemih Di Rumah Sakit Umum Daerah Prof. Dr. W. Z. Johannes Kupang Tahun 2017', *preprint*, . INA-Rxiv.



- Nitzan, O., Elias, M., Chazan, B., dan Saliba, W., 2015. Urinary tract infections in patients with type 2 diabetes mellitus: review of prevalence, diagnosis, and management. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **8**: 129–136.
- Oyaert, M., Van Meensel, B., Cartuyvels, R., Frans, J., Laffut, W., Vandecandelaere, P., dkk., 2018. Laboratory diagnosis of urinary tract infections: Towards a Bilulu consensus guideline. *Journal of Microbiological Methods*, **146**: 92–99.
- Peechakara, B.V. dan Gupta, M., 2022. Ampicillin/Sulbactam, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).
- Ramirez, M. dan Tolmasky, M., 2017. Amikacin: Uses, Resistance, and Prospects for Inhibition. *Molecules*, **22**: 2267.
- Raz, R., 2011. Urinary Tract Infection in Postmenopausal Women. *Korean Journal of Urology*, **52**: 801–808.
- Regimulya, S., Oktavia, S., dan Kardela, W., 2021. A Review: Rational Drug Use of Antibiotics in Patients With Urinary Tract Infection At Hospitals In Indonesia. *IOSR Journal of Pharmacy*, **11**: 1–9.
- Rolston, K.V.I., 2017. Infections in Cancer Patients with Solid Tumors: A Review. *Infectious Diseases and Therapy*, **6**: 69–83.
- Rowe, T.A. dan Juthani-Mehta, M., 2013. Urinary tract infection in older adults. *Aging health*, **9**: 10.2217/ahe.13.38.
- Sari, R.P., 2018. Angka Kejadian Infeksi Saluran Kemih (ISK) dan Faktor Resiko Yang Mempengaruhi Pada Karyawan Wanita di Universitas Lampung. *Majority*, **7**: 115–120.
- Seputra, K.P., Tarmono, Noegroho, B.S., Mochtar, C.A., Wahyudi, I., Renaldo, J., dkk., 2015. Penatalaksanaan Infeksi Saluran Kemih dan Genitalia Pria 2015. *Ikatan Ahli Urologi Indonesia*, **2**: 106.
- Shankar, M., Narasimhappa, S., dan N.S., M., 2021. Urinary Tract Infection in Chronic Kidney Disease Population: A Clinical Observational Study. *Cureus*, **13**: e12486.
- Sime, W.T., Biazin, H., Zeleke, T.A., dan Desalegn, Z., 2020. Urinary tract infection in cancer patients and antimicrobial susceptibility of isolates in Tikur Anbessa Specialized Hospital, Addis Ababa, Ethiopia. *PLoS ONE*, **15**: e0243474.



Siyoto, S. dan Sodik, M.A., 2015. *Dasar Metodologi Penelitian*. Literasi Media Publishing.

Skrzat-Klapaczyńska, A., Matłosz, B., Bednarska, A., Paciorek, M., Firląg-Burkacka, E., Horban, A., dkk., 2018. Factors associated with urinary tract infections among HIV-1 infected patients. *PLoS ONE*, **13**: e0190564.

Smelov, V., Naber, K., dan Bjerklund Johansen, T.E., 2016. Improved Classification of Urinary Tract Infection: Future Considerations. *European Urology Supplements*, **15**: 71–80.

Syafada dan Fenty, 2013. Pola Kuman dan Sensitivitas Antimikroba Pada Infeksi Saluran Kemih. *Jurnal Farmasi Sains dan Komunitas*, **10**: 9–13.

Tan, X., Pan, Q., Mo, C., Li, X., Liang, X., Li, Y., dkk., 2020. Carbapenems vs alternative antibiotics for the treatment of complicated urinary tract infection. *Medicine*, **99**: e18769.

Tandogdu, Z. dan Wagenlehner, F.M.E., 2016. Global epidemiology of urinary tract infections. *Current Opinion in Infectious Diseases*, **29**: 73–79.

Thai, T., Salisbury, B.H., dan Zito, P.M., 2022. *Ciprofloxacin*, StatPearls [Internet]. StatPearls Publishing.

Ventola, C.L., 2015. The Antibiotic Resistance Crisis. *Pharmacy and Therapeutics*, **40**: 277–283.

Wei Tan, C. dan Chlebicki, M.P., 2016. Urinary tract infections in adults. *Singapore Medical Journal*, **57**: 485–490.

DAFTAR PUSTAKA

Adnan, M.L., 2020. Wanita Usia 26 tahun, Multigravida Hamil 35 Minggu dengan Diagnosis Infeksi Saluran Kemih. *JIMKI: Jurnal Ilmiah Mahasiswa Kedokteran Indonesia*, **7**: 54–59.

Adriani, K.P., 2017. 'Evaluasi Rasionalitas Penggunaan Antibiotik Pasien Infeksi Saluran Kemih Dewasa di Instalasi Rawat Inap RS Bethesda Yogayakarta tahun 2015'. . Universitas Sanata Dharma.

Albaniah, A.O., 2020. 'Gambaran Kejadian Infeksi Saluran Kemih Berdasarkan Jenis Kelamin, Usia, dan Bakteri Penyebab di Daerah Istimewa Yogyakarta', . Sekolah Tinggi Ilmu Kesehatan Nasional, Solo, Indonesia.

Al-Hadithi, D., Al-Zakwani, I., Balkhair, A., dan Al Suleimani, Y.M., 2020. Evaluation of the appropriateness of meropenem prescribing at a tertiary



care hospital: A retrospective study in Oman. *International Journal of Infectious Diseases*, **96**: 180–186.

Arumugham, V.B., Gujarathi, R., dan Cascella, M., 2022. Third Generation Cephalosporins, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).

Bien, J., Sokolova, O., dan Bozko, P., 2012. Role of Uropathogenic Escherichia coli : Virulence Factors in Development of Urinary Tract Infection and Kidney Damage. *International Journal of Nephrology*, **2012**: 1–15.

Bonkat, G.C., Bartoletti, R., Bruyere, T., Cai, T., Geerlings, S.E., Koves, B., dkk., 2020. EAU Guideline on Urological Infection.

Chardavoyne, P.C. dan Kasmire, K.E., 2020. Appropriateness of Antibiotic Prescriptions for Urinary Tract Infections. *Western Journal of Emergency Medicine*, **21**: 633–639.

Chen, P.-C., Chang, L.-Y., Lu, C.-Y., Shao, P.-L., Tsai, I.-J., Tsau, Y.-K., dkk., 2014. Drug susceptibility and treatment response of common urinary tract infection pathogens in children. *Journal of Microbiology, Immunology and Infection*, **47**: 478–483.

Corbett, A., Golembiewski, J., Gonzales, J., Johnson, S., dan Lowe, J., 2017, *Drug Information Handbook, A Clinically Relevant Resource for All Healthcare Professionals*, 26th Edition. ed. Wolters Kluwer Clinical Drug Information, United States.

Damayanti, E., 2020. 'Rasionalitas Penggunaan Antibiotik pada Pasien Infeksi Saluran Kemih oleh Bakteri Penghasil ESBL (Extended Spectrum Beta - Lactamase) di RSUP Dr. Sardjito Yogyakarta', . Universitas Gadjah Mada, Yogyakarta.

Etebu, E. dan Arikekpar, I., 2016. Antibiotics: Classification and mechanisms of action with emphasis on molecular perspectives. *bluepanjournals*, **04**: 90–101.

Eyler, R.F. dan Shvets, K., 2019. Clinical Pharmacology of Antibiotics. *Clinical Journal of the American Society of Nephrology*, **14**: 1080–1090.

Fernandez, J.M. dan Coyle, E.A., 2020. Urinary Tract Infection and Prostatitis, dalam: DiPiro, J.T., Talbert, R.L., Yee, G.C., Matzke, G.R., Wells, B.G., dan Posey, L.M. (Editor), *Pharmacotherapy: A Pathophysiologic Approach*. McGraw Hill Professional, hal. 5641–5681.

Gallagher, J.C. dan MacDougall, C., 2012. *Antibiotics Simplified*, 2nd ed. ed. Jones & Bartlett Learning, Sudbury, MA.



Gashe, F., Mulisa, E., Mekonnen, M., dan Zeleke, G., 2018. Antimicrobial Resistance Profile of Different Clinical Isolates against Third-Generation Cephalosporins. *Journal of Pharmaceutics*, **2018**: 1–7.

Guyton, A. dan Hall, J., 2016. *Guyton and Hall Textbook of Medical Physiology*, 13th edition. ed. Elsevier, Philadelphia, PA.

Hajji, M., Jebali, H., Mrad, A., Blel, Y., Brahmi, N., Kheder, R., dkk., 2018. Nephrotoxicity of Ciprofloxacin: Five Cases and a Review of the Literature. *Drug Safety - Case Reports*, **5**: 17.

Handayani, R.S., Siahaan, S., dan Herman, M.J., 2017. Antimicrobial Resistance and Its Control Policy Implementation in Hospital in Indonesia. *Jurnal Penelitian dan Pengembangan Pelayanan Kesehatan*, 131–140.

Hassan, M., Tuckman, H.P., Patrick, R.H., Kountz, D.S., dan Kohn, J.L., 2010. Hospital length of stay and probability of acquiring infection. *International Journal of Pharmaceutical and Healthcare Marketing*, **4**: 324–338.

Irfanuddin, S.K., 2019. *Cara Sistematis Berlatih Meneliti : Merangkai Sistematika Penelitian Kedokteran dan Kesehatan*. PT. Rayyana Komunikasindo.

Jyothsna, K., Nagaveni, D., Rao, M.R., dan Lakshmi, G.V., 2012. Antibiotic Susceptibility Pattern of Different Pathogens to Antibiotic in Rural Area, India. *Innovative Journal of Medical and Health Science*, **2**: 35–37.

Kang, C.-I., Kim, J., Park, D.W., Kim, B.-N., Ha, U.-S., Lee, S.-J., dkk., 2018. Clinical Practice Guidelines for the Antibiotic Treatment of Community-Acquired Urinary Tract Infections. *Infection & Chemotherapy*, **50**: 67–100.

Kemenkes RI, 2011, 'Pedoman Umum Penggunaan Antibiotik', Kementerian Kesehatan Republik Indonesia, Jakarta, Indonesia.

Kemenkes RI, 2015. Peraturan Menteri Kesehatan No. 8 tentang Program Pengendalian Resistensi Antimikroba di Rumah Sakit.

Krawczyk, B., Wityk, P., Gałęcka, M., dan Michalik, M., 2021. The Many Faces of Enterococcus spp.—Commensal, Probiotic and Opportunistic Pathogen. *Microorganisms*, **9**: 1900.

Lacy, Charles F, Armstrong, dan Lora, L., 2009. *Lexi-Comp's Drug Information Handbook 17th Edition by Lacy, Charles F., Armstrong, Lora L., Goldman, Morton P., La (2008) Paperback*, 17th Edition. ed. Lexi Comp.

Lambrini, K., 2017. The Rational Use of Antibiotics Medicine. *Journal of Healthcare Communications*, **02**: 1-4.



- Mamuye, Y., 2016. Antibiotic Resistance Patterns of Common Gram-negative Uropathogens in St. Paul's Hospital Millennium Medical College. *Ethiopian Journal of Health Sciences*, **26**: 93.
- Mandal, S., Samanta, S., Bakshi, S., dan Dash, D., 2020. Urinary tract infection in nephrotic syndrome in pediatric age group: a hospital based cross-sectional study. *International Journal of Contemporary Pediatrics*, **7**: 1787.
- Martin, R.M. dan Bachman, M.A., 2018. Colonization, Infection, and the Accessory Genome of Klebsiella pneumoniae. *Frontiers in Cellular and Infection Microbiology*, **8**: 4.
- Mayangsari, S., As, N.A., dan Lisminingsih, R.J., 2021. Prevalensi Infeksi Saluran Kemih (ISK) Pada Pasien Di Rumah Sakit Islam (RSI) Unisma Malang Tahun 2018. *Biosaintropis (Bioscience – Tropic)*. **6**: 34–39.
- Medina, M. dan Castillo-Pino, E., 2019. An introduction to the epidemiology and burden of urinary tract infections. *Therapeutic Advances in Urology*, **11**: 3–7.
- Mihankhah, A., Khoshbakht, R., Raeisi, M., dan Raeisi, V., 2017. Prevalence and antibiotic resistance pattern of bacteria isolated from urinary tract infections in Northern Iran. *Journal of Research in Medical Sciences*, **22**: 108.
- Morales-Alvarez, M.C., 2020. Nephrotoxicity of Antimicrobials and Antibiotics. *Advances in Chronic Kidney Disease*, **27**: 31–37.
- Nisnoni, M.H., 2018. 'Profil Sensitifitas Antibiotik Pada Penderita Infeksi Saluran Kemih Di Rumah Sakit Umum Daerah Prof. Dr. W. Z. Johannes Kupang Tahun 2017', *preprint*, . INA-Rxiv.
- Nitzan, O., Elias, M., Chazan, B., dan Saliba, W., 2015. Urinary tract infections in patients with type 2 diabetes mellitus: review of prevalence, diagnosis, and management. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **8**: 129–136.
- Oyaert, M., Van Meensel, B., Cartuyvels, R., Frans, J., Laffut, W., Vandecandelaere, P., dkk., 2018. Laboratory diagnosis of urinary tract infections: Towards a Bilulu consensus guideline. *Journal of Microbiological Methods*, **146**: 92–99.
- Peechakara, B.V. dan Gupta, M., 2022. Ampicillin/Sulbactam, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).
- Ramirez, M. dan Tolmasky, M., 2017. Amikacin: Uses, Resistance, and Prospects for Inhibition. *Molecules*, **22**: 2267.



Raz, R., 2011. Urinary Tract Infection in Postmenopausal Women. *Korean Journal of Urology*, **52**: 801–808.

Regimulya, S., Oktavia, S., dan Kardela, W., 2021. A Review: Rational Drug Use of Antibiotics in Patients With Urinary Tract Infection At Hospitals In Indonesia. *IOSR Journal of Pharmacy*, **11**: 1–9.

Rolston, K.V.I., 2017. Infections in Cancer Patients with Solid Tumors: A Review. *Infectious Diseases and Therapy*, **6**: 69–83.

Rowe, T.A. dan Juthani-Mehta, M., 2013. Urinary tract infection in older adults. *Aging health*, **9**: 10.2217/ahe.13.38.

Sari, R.P., 2018. Angka Kejadian Infeksi Saluran Kemih (ISK) dan Faktor Resiko Yang Mempengaruhi Pada Karyawan Wanita di Universitas Lampung. *Majority*, **7**: 115–120.

Seputra, K.P., Tarmono, Noegroho, B.S., Mochtar, C.A., Wahyudi, I., Renaldo, J., dkk., 2015. Penatalaksanaan Infeksi Saluran Kemih dan Genitalia Pria 2015. *Ikatan Ahli Urologi Indonesia*, **2**: 106.

Shankar, M., Narasimhappa, S., dan N.S., M., 2021. Urinary Tract Infection in Chronic Kidney Disease Population: A Clinical Observational Study. *Cureus*, **13**: e12486.

Sime, W.T., Biazin, H., Zeleke, T.A., dan Desalegn, Z., 2020. Urinary tract infection in cancer patients and antimicrobial susceptibility of isolates in Tikur Anbessa Specialized Hospital, Addis Ababa, Ethiopia. *PLoS ONE*, **15**: e0243474.

Siyoto, S. dan Sodik, M.A., 2015. *Dasar Metodologi Penelitian*. Literasi Media Publishing.

Skrzat-Klapaczyńska, A., Matłosz, B., Bednarska, A., Paciorek, M., Firląg-Burkacka, E., Horban, A., dkk., 2018. Factors associated with urinary tract infections among HIV-1 infected patients. *PLoS ONE*, **13**: e0190564.

Smelov, V., Naber, K., dan Bjerklund Johansen, T.E., 2016. Improved Classification of Urinary Tract Infection: Future Considerations. *European Urology Supplements*, **15**: 71–80.

Syafada dan Fenty, 2013. Pola Kuman dan Sensitivitas Antimikroba Pada Infeksi Saluran Kemih. *Jurnal Farmasi Sains dan Komunitas*, **10**: 9–13.

Tan, X., Pan, Q., Mo, C., Li, X., Liang, X., Li, Y., dkk., 2020. Carbapenems vs alternative antibiotics for the treatment of complicated urinary tract infection. *Medicine*, **99**: e18769.



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Evaluasi Hubungan Rasionalitas Penggunaan Antibiotik Terhadap Clinical Outcome dan Lama Perawatan

Pada Pasien Dewasa dengan Infeksi Saluran Kemih

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Tandogdu, Z. dan Wagenlehner, F.M.E., 2016. Global epidemiology of urinary tract infections. *Current Opinion in Infectious Diseases*, **29**: 73–79.

Thai, T., Salisbury, B.H., dan Zito, P.M., 2022. *Ciprofloxacin*, StatPearls [Internet]. StatPearls Publishing.

Ventola, C.L., 2015. The Antibiotic Resistance Crisis. *Pharmacy and Therapeutics*, **40**: 277–283.

Wei Tan, C. dan Chlebicki, M.P., 2016. Urinary tract infections in adults. *Singapore Medical Journal*, **57**: 485–490.