

DAFTAR PUSTAKA

- Abramović, B., Banić, N., Šojić, D., Maletić, S., Konya, Z., Mercy Vergara Barberán, M., García Reyes, J. F., & Molina-Díaz, A. (2021). *Visible-light-induced Photocatalytic Degradation of Antibiotic Ceftriaxone: Intermediates Characterization and Antimicrobial Activity Assessment*. *Journal of Photochemistry and Photobiology A: Chemistry*, 418, 113342. <https://doi.org/10.1016/j.jphotochem.2021.113342>
- Al-Rufaie, M. M. M., & Motaweq, Z. Y. (2018). *Estimation Of Cephalosporins (Ceftriaxone, Cefazidime) Antibiotics as Pure and Pharmaceutical Forms by Color Produced Reaction In Uv-Vis Spectrophotometric Technique*. *Journal of Islamic Pharmacy*, 3(2), 1–15.
- Alam, M. S., Ahsan, M., Najam-ul-Haq, M., Jabeen, S., & Chaudhary, J. A. (2012). *Stability-indicating HPLC Method for The Determination of Ceftriaxone Sodium in Pharmaceutical Dosage Forms*. *Acta Chromatographica*, 24(3), 433-448. <https://doi.org/10.1556/AChrom.24.2012.3.8>
- Amalia, M. N., Nuryastuti, T., & Rahmawati, F. (2022). *Kontaminasi Bakteri Pada Pencampuran Sediaan Intravena dan Lingkungan Pencampuran Sediaan Intravena di Rumah Sakit*. *Majalah Farmaseutik*, 18(4), 406–414.
- ASHP, A. S. of H. S. P. (2014). *ASHP Guidelines on Compounding Sterile Preparations*. *American Journal Health System Pharmacy*, 71(2), 66–145.
- ASHP, A. S. of H.-S. P. (2008). *ASHP Guidelines on Compounding Sterile Preparations*. In *Drug Distribution and Control: Preparation and Handling–Guidelines* (pp. 112–131). Baxter.
- Austin, P., & Elia, M. (2013). *Improved Aseptic Technique Can Reduce Variable Contamination Rates Of Ward-Prepared Parenteral Doses*.

Journal of Hospital Infection, 83(2), 160–163.
<https://doi.org/10.1016/j.jhin.2012.10.009>

Ayushi, M. V., & Mansi, P. U. (2018). *Development and Validation of UV Spectrophotometric Method for the Estimation of Ceftriaxone Sodium in Nanoparticles*. *Der Pharma Chemica*, 10(3), 151–157.

Batchu, S. R., Panditi, V. R., O'Shea, K. E., & Gardinali, P. R. (2014). *Photodegradation of Antibiotics Under Simulated Solar Radiation: Implications for Their Environmental Fate*. *Science of the Total Environment*, 470-471, 299-310.
<https://doi.org/10.1016/j.scitotenv.2013.09.057>

Bergogne-Berezin, E. (1985). *Activité Antibactérienne De La Ceftriaxone*. *La Revue de Médecine Interne*, 6(2), 178–186.
[https://doi.org/10.1016/S0248-8663\(85\)80062-X](https://doi.org/10.1016/S0248-8663(85)80062-X)

Bhangare, D., Rajput, N., Jadav, T., Sahu, A. K., Tekade, R. K., & Sengupta, P. (2022). *Systematic Strategies for Degradation Kinetic Study of Pharmaceuticals: An Issue of Utmost Importance Concerning Current Stability Analysis Practices*. *Journal of Analytical Science and Technology*, 13(1), 7. <https://doi.org/10.1186/s40543-022-00317-6>

Biljana F. Abramović; Maria M. Uzelac; Sanja J. Armaković; Uroš Gašić; Dragana D. Četojević-Simin; Stevan Armaković;. (2021). *Experimental and Computational Study of Hydrolysis and Photolysis of Antibiotic Ceftriaxone: Degradation Kinetics, Pathways, and Toxicity*. *Science of The Total Environment*, (), –
 . doi:10.1016/j.scitotenv.2021.1449

Bing, C., & Nowobilski-Vasilios, A. (2017). *Extended Stability for Parenteral Drugs, 6th ed (6th ed.)*. *American Society of Health-System Pharmacists*.

- Bonomo, R. A. (2017). β -Lactamases: A Focus on Current Challenges. *Cold Spring Harbor Perspectives in Medicine*, 7(1), a025239. <https://doi.org/10.1101/cshperspect.a025239>
- Boreen, A. L., Arnold, W. A., & McNeill, K. (2004). *Photochemical Fate of Sulfa Drugs in The Aquatic Environment: Sulfa Drugs Containing Five-membered Heterocyclic Groups*. *Environmental Science & Technology*, 38(14), 3933-3940. <https://doi.org/10.1021/es0353053>
- Bush, K., & Bradford, P. A. (2016). β -Lactams and β -lactamase inhibitors: An overview. *Cold Spring Harbor Perspectives in Medicine*, 6(8), a025247. <https://doi.org/10.1101/cshperspect.a025247>
- Bush, K., & Bradford, P. A. (2020). *Epidemiology of β -lactamase-producing pathogens*. *Clinical Microbiology Reviews*, 33(2), e00047-19. <https://doi.org/10.1128/CMR.00047-19>
- CHMP, C. for M. P. for H. use, & CVMP, C. for M. P. for V. use. (2019). *Guideline on The Sterilisation of The Medicinal Product, Active Substance, Excipient and Primary Container*. In https://www.ema.europa.eu/en/documents/scientific-guideline/guideline-sterilisation-medicinal-product-active-substance-excipient-and-primary-container_en.pdf (pp. 1–25). EMA (European Medicines Agency).
- Coates, J. (2000). Interpretation of infrared spectra, a practical approach. In R. A. Meyers (Ed.), *Encyclopedia of analytical chemistry* (pp. 10815-10837). John Wiley & Sons Ltd. <https://doi.org/10.1002/9780470027318.a5606>
- Connors, K. A., Amidon, G. L., & Stella, V. J. (1986). *Chemical Stability of Pharmaceuticals: A Handbook for Pharmacists* (2nd ed.). Wiley-Interscience.

- Davies, J., & Davies, D. (2010). *Origins and Evolution of Antibiotic Resistance*. *Microbiology and Molecular Biology Reviews*, 74(3), 417-433. <https://doi.org/10.1128/MMBR.00016-10>
- De Diego, M., Godoy, G., & Mennickent, S. (2010). *Chemical Stability of Ceftriaxone by A Validated Stability-Indicating Liquid Chromatographic Method*. *J. Chil. Chem. Soc.*, 55(3).
- Dewantisari, D., & Musfiroh, I. (2020). Strategi Peningkatan Objektivitas Hasil Uji Inspeksi Sediaan Injeksi. Review. *Majalah Farmasetika*, 5(2), 64–72.
- Dewi, S. S., Rahmawati, F., & Tunjung Pratiwi, S. D. U. (2018). Kontaminasi Bakteri pada Sediaan Campuran Intravena di Bangsal Perawatan Rumah Sakit. *Jurnal Sains Farmasi & Klinis*, 5(1), 7. <https://doi.org/10.25077/jsfk.5.1.7-11.2018>
- Drawz, S. M., & Bonomo, R. A. (2010). *Three decades of β -lactamase Inhibitors*. *Clinical Microbiology Reviews*, 23(1), 160-201. <https://doi.org/10.1128/CMR.00037-09>
- Emilia, C., Jesus, M., & Rius, F. (1993). *Factors Affecting The Stability of Ceftriaxone Sodium in Solution on Storage*. *International Journal of Pharmaceutics*, 92, 47–53.
- Engel, J., & Lazar, N. (2016). *Guidelines for the Establishment of Appropriate beyond Use Dating of Sterile Compounded Admixtures*. *Hospital Pharmacy*, 51(8), 654–703. <https://doi.org/10.1310/hpj5108-654>
- Essack, S. Y. (2001). *The Development of β -lactam Antibiotics in Response to The Evolution of β -lactamases*. *Pharmaceutical Research*, 18(10), 1391-1399. <https://doi.org/10.1023/A:1012272403186>
- Esteban, M J; Canton, E; Rius, F . (1990). *Influence of Temperature on Degradation Kinetics of Ceftriaxone in Diluted and Undiluted Human*

Serum.. Antimicrobial Agents and Chemotherapy, 34(6), 1268–1270. doi:10.1128/AAC.34.6.1268

FDA. (2014). *Ceftriaxone for Injection, USP*.

Fisher, J. F., Meroueh, S. O., & Mobashery, S. (2005). *Bacterial Resistance to β -lactam Antibiotics: Compelling Opportunism, Compelling Opportunity*. *Chemical Reviews*, 105(2), 395-424. <https://doi.org/10.1021/cr030102i>

Gmurek, M., Foszpańczyk, M., Olak-Kucharczyk, M., Ledakowicz, S., & Oller, I. (2015). *Photochemical Decomposition of Endocrine Disruptor Compounds Under Simulated Sunlight with The Application of Sensitizers*. *Catalysis Today*, 254, 107-114. <https://doi.org/10.1016/j.cattod.2014.12.015>

Hasan, A. (2024). RI Resmi Punya RS Pertahanan 28 Lantai, Ini Lokasi dan Fasilitasnya. <https://www.goodnewsfromindonesia.id/2024/02/19/Ri-Resmi-Punya-Rs-Pertahanan-28-Lantai-Ini-Lokasi-Dan-Fasilitasnya>.

Helder, O. K., Kornelisse, R. F., Reiss, I. K. M., & Ista, E. (2016). *Disinfection Practices in Intravenous Drug Administration*. *American Journal of Infection Control*, 44(6), 721–723. <https://doi.org/10.1016/j.ajic.2015.12.036>

Hickey, M. B., Peterson, M. L., Manas, E. S., Alvarez, J., Haeffner, F., & Almarsson, Ö. (2007). *Hydrates and Solid-state Reactivity: A Survey of β -lactam Antibiotics*. *Journal of Pharmaceutical Sciences*, 96(5), 1090–1099. <https://doi.org/10.1002/jps.20919>

Hirsch, R., Ternes, T., Haberer, K., & Kratz, K. L. (1999). *Occurrence of Antibiotics in The Aquatic Environment*. *Science of the Total Environment*, 225(1-2), 109-118. [https://doi.org/10.1016/S0048-9697\(98\)00337-4](https://doi.org/10.1016/S0048-9697(98)00337-4)

- Jambulingam, M., Thangathurai, S. Ananda., Kamalakannan, D., Punitha, S., Rincy, T. R., Santhi, S., Surya, G., Vasanthi, M., & Subarla, S. J. (2015). *A Simple Spectrophotometric Estimation of Ceftriaxone Sodium in Bulk and Sterile Formulation*. *PharmaTutot*, 3(9), 48–52.
- Jeong, J., Song, W., Cooper, W. J., Jung, J., & Greaves, J. (2010). *Degradation of Tetracycline Antibiotics: Mechanisms and Kinetic Studies for Advanced Oxidation/Reduction Processes*. *Chemosphere*, 78(5), 533-540. <https://doi.org/10.1016/j.chemosphere.2009.11.024>
- Keen, P. L., & Machell, J. (1997). *Antibiotic Photodegradation: Quinolones*. In *Environmental Chemodynamics* (pp. 277-295). CRC Press.
- Keen, K., Jacobus, N. V., Tally, F. P., & Gorbach, S. L. (1983). *In Vitro Activity of Ceftazidime and Ceftriaxone*. *Clinical Therapeutics*, 5(6), 603–616.
- Kemenkes RI. (2020). *Farmakope Indonesia Edisi VI (VI)*. Kementerian Kesehatan RI.
- Kemhan RI. (2024a). *Peresmian Ruamh Sakit Pusat Pertahanan negara (RSPPN) Panglima Besar Soedirman dan 25 Rumah Sakit TNI*. <https://www.kemhan.go.id/2024/02/19/Peresmian-Rumah-Sakit-Pusat-Pertahanan-Negara-Rsppn-Panglima-Besar-Soedirman-Dan-25-Rumah-Sakit-Tni.html>.
- Kemhan RI. (2024b). *Presiden Jokowi Didampingi Menhan Prabowo Resmikan RSPNN Panglima Besar Soedirman dan 25 RS Milik TNI*. <https://www.kemhan.go.id/2024/02/19/Presiden-Jokowi-Didampingi-Menhan-Prabowo-Resmikan-Rsppn-Panglima-Besar-Soedirman-Dan-25-Rs-Milik-Tni.html>.
- Krivitskaya, A. V., & Khrenova, M. G. (2022). *Evolution of Ceftriaxone Resistance of Penicillin-Binding Proteins 2 Revealed by Molecular Modeling*. *International Journal of Molecular Sciences*, 24(1), 176. <https://doi.org/10.3390/ijms24010176>

- Kümmerer, K. (2009). *Antibiotics in The Aquatic Environment: A review*. *Chemosphere*, 75(4), 417-434. <https://doi.org/10.1016/j.chemosphere.2008.11.086>
- Larmen -Beld, K. H. M., Frijlink, H. W., & Taxis, K. (2019). *A Systematic Review and Meta-analysis of Microbial Contamination of Parenteral Medication Prepared in A Clinical Versus Pharmacy Environment*. In *European Journal of Clinical Pharmacology* (Vol. 75, Issue 5, pp. 609–617). Springer Verlag. <https://doi.org/10.1007/s00228-019-02631-2>
- Larsson, D. G. J., de Pedro, C., & Paxeus, N. (2007). *Effluent from Drug Manufactures Contains Extremely High Levels of Pharmaceuticals*. *Journal of Hazardous Materials*, 148(3), 751-755. <https://doi.org/10.1016/j.hazmat.2007.07.008>
- Lukita, B. L., & Setiawati, H. (2021). Regionalisasi Laboratorium Pengujian Sterilitas Badan POM sebagai upaya Efektivitas dan Efisiensi Sumber Daya . *Eruditio*, 2(1), 36–46.
- Maraki, S., Hajioannou, I., Anatoliotakis, N., Platakis, M., Chatzinikolaou, I., Zoras, O., Tselentis, Y., & Samonis, G. (1999). *Ceftriaxone and Dexamethasone Affecting Yeast Gut Flora in Experimental Mice*. *Journal of Chemotherapy*, 11(5), 363–366. <https://doi.org/10.1179/joc.1999.11.5.363>
- Marie Helene, K. G. (2015). *In Vitro Ceftriaxone Stability at New-born; Rectal PH Assessed by UV and HPLC Methods*. *Pharmaceutica Analytica Acta*, 06(07). <https://doi.org/10.4172/2153-2435.1000393>
- Marta de Diego Glar a; Gloria Godoy Moscciati; Ricardo Godoy Ramos; Marcelo Maturana Riquelme. (2003). *Stability of ceftriaxone in Water and Cerebrospinal Fluid Determined by High-performance Liquid Chromatography*. , 26(9-10), 939–942. doi:10.1002/jssc.200301306

- Martin, M. (2018). *Basics of Sterile Compounding: Criteria for Determining Beyond-use Dating*. *International Journal of Pharmaceutical Compound*, 22(4), 303–312.
- Melviya, Putri, D. C. A. P., & Yuliani, S. H. (2018). Evaluasi Peracikan Sediaan Steril untuk Pasien Pediatri Rawat Inap di Rumah Sakit “X” Kota Semarang, Indonesia. *Jurnal Manajemen Dan Pelayanan Farmasi*, 8(3), 128–135.
- Michael, I., Rizzo, L., McArde, C. S., Manaja, C. M., Merlin, C., Schwartz, T., Dagot, C., & Fatta-Kassinos, D. (2013). *Urban Wastewater Treatment Plants as Hotspots for The Release of Antibiotics In The Environment: A Review*. *Water Research*, 47(3), 957-995. <https://doi.org/10.1016/j.watres.2012.11.027>
- Nakamoto, K. (2008). *Infrared and Raman Spectra of Inorganic and Coordination Compounds: Part B: Applications in Coordination, Organometallic, and Bioinorganic Chemistry* (6th ed.). John Wiley & Sons. <https://doi.org/10.1002/9780470405840>
- Olmos, J. L., Jr., Pandey, S., Martin-Garcia, J. M., Calvey, G., Katz, A., Knoska, J., Kupitz, C., Hunter, M. S., Liang, M., Oberthuer, D., Yefanov, O., Wiedorn, M., Heyman, M., Holl, M., Pande, K., Barty, A., Miller, M. D., Stern, S., Roy-Chowdhury, S., ... Schmidt, M. (2018). *Enzyme Intermediates Captured “On The Fly” by Mix-and-inject Serial Crystallography*. *BMC Biology*, 16(59). <https://doi.org/10.1186/s12915-018-0524-5>
- Patel, K., Tyagi, M., Patil, N., Shaikh, I., Sarkate, A., Gholap, H., & Kshirsagar, N. (2019). *Stability-indicating HPLC Method Development and Validation for Simultaneous Estimation of ceftriaxone and Tazobactam In Injection Dosage Form*. *Pharmaceutical Methods*, 10(1), 13-21. <https://doi.org/10.5530/phm.2019.1.3>

- Pelak, B. A., Woods, G. L., Teppler, H., Friedland, I., Bartizal, K., & Motyl, M. (2002). *Comparative In-Vitro Activities of Ertapenem against Aerobic Bacterial Pathogens Isolated from Patients with Complicated Intra-abdominal Infections*. *Journal of Chemotherapy*, 14(3), 227–233. <https://doi.org/10.1179/joc.2002.14.3.227>
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 72 Tahun 2016 Tentang Standar Pelayanan Kefarmasian Di Rumah Sakit, Pub. L. No. 72, Menteri Kesehatan Republik Indonesia 1 (2016).
- Perez-Parada, A., Borràs, E., Boleda, M. R., & Barcelona, D. (2011). *Pressurized Liquid Extraction Followed by Liquid Chromatography-electrospray-tandem Mass Spectrometry for The Determination of β -lactam Antibiotics In Sewage Sludge*. *Analytica Chimica Acta*, 700(1-2), 200-205. <https://doi.org/10.1016/j.aca.2011.05.015>
- Pharmaceutical Inspection Convention. (2007). *Recommendation on Sterility Testing*. In <https://picscheme.org/docview/3442>.
- Pharmacopeial Forum. (2017). *The Development of Compendial Rapid Sterility Tests*.
- Purnama, N., ratih, Syamsuddin, F., Lestari, S. B., Lesmana, C., Irvina, Margayani, E., Mutiara, R., Herawati, F., Guswita, Sutriyo, Subhan, A., Candraini, T., & Susanti, F. (2009). *Pedoman Dasar Dispensing Sediaan Steril* (1st ed.). Direktorat Bina Farmasi Komunitas dan Klinik
- Putri, D. C. A., & Yuliani, S. H. (2018). *Evaluasi Peracikan Injeksi Seftriakson di Salah Satu Rumah Sakit Swasta di Semarang*. *Jurnal Farmasi Klinik Indonesia*, 7(3), 143–153.
- Rambe, R., Gultom, E. D., Zulfikri, & Rani, Z. (2023). *Evaluasi Dispensing Sediaan Steril Antibiotik Pada Pasien Pediatri Di RUMah Sakit X*. *Forte Journal*, 3(2), 167–176.

- Ratzke, C., & Gore, J. (2018). *Modifying and Reacting to The Environmental pH Can Drive Bacterial Interactions*. *PlosOne-Biology Journal*., 16(3):e2004248. <https://doi.org/10.1371/journal.pbio.2004248>
- Rolfe, R. D., & Finegold, S. M. (1982). *Comparative In Vitro Activity of Ceftriaxone Against Anaerobic Bacteria*. *Antimicrobial Agents and Chemotherapy*, 22(2), 338–341. <https://doi.org/10.1128/AAC.22.2.338>
- Ryan, C. C., Tan, D. T., & Arnold, W. A. (2011). *Direct and Indirect Photolysis of Sulfamethoxazole and Trimethoprim in Wastewater Treatment Plant Effluent*. *Water Research*, 45(3), 1280-1286. <https://doi.org/10.1016/j.watres.2010.10.085>
- Samonis, G., Gikas, A., Anassie, E. J., Vrenzos, G., Maraki, S., Tselentis, Y., & Bodey, G. P. (1998). *Prospective Evaluation of Effects of Broad-spectrum Antibiotics on Gastrointestinal Yeast Colonization of Humans*. *Antimicrobial Agents and Chemotherapy*, 37(1), 51–53. <https://doi.org/10.1128/AAC.37.1.51>
- Simpson, M. C., Schaefer, E. G., Marini, R. V., & Davis, M. A. (2024). *Applying Stability Data in Sterile Compounding*. *American Society of Health-System Pharmacists*.
- Silverstein, R. M., Webster, F. X., Kiemle, D. J., & Bryce, D. L. (2014). *Spectrometric identification of Organic Compounds* (8th ed.). John Wiley & Sons.
- Soussy, C. J., Deforges, L., Thoi, L., Chanal, M., Sirot, D., Acar, J. F., Kitzis, M. D., Thabaut, A., Meyran, M., & Dabernat, H. (1985). *In Vitro Activity of Ceftriaxone on Hospital Bacteria. Results of A Multicenter Study*. *Pathologie-Biologie*, 33(5), 469–472.
- Stuart, B. H. (2004). *Infrared spectroscopy: Fundamentals and Applications*. John Wiley & Sons. <https://doi.org/10.1002/0470011149>

- Susanti, E., Andriani, L. L., & Rahmah, M. (2022). Uji Sensitivitas Antibakteri Sediaan Injeksi Seftriakson Generik terhadap *Salmonella typhi*. *Journal of Pharmacy and Science*, 7(1), 9–13.
- The United States Pharmacopeial Convention. (2021). 2021 *USP Compounding Compendium*. In <https://compounding.usp.org>. The United States Pharmacopeial Convention.
- Thomson, C., & Savji, T. (2014). *Standards of Practice, Professional Judgment, and Scientific Evidence to Establish and Extend a Beyond-Use Date*. *International Journal of Pharmaceutical Compound*, 18(6), 60–456.
- Tipper, D. J., & Strominger, J. L. (1965). Mechanism of action of penicillins: a proposal based on their structural similarity to acyl-D-alanyl-D-alanine. *Proceedings of the National Academy of Sciences*, 54(4), 1133–1141. <https://doi.org/10.1073/pnas.54.4.1133>
- Tomczak, S., Gostyńska, A., Nadolna, M., Reisner, K., Orlando, M., Jelińska, A., & Stawny, M. (2021). *Stability and Compatibility Aspects of Drugs: The Case of Selected Cephalosporins*. *Antibiotics*, 10(5), 549. <https://doi.org/10.3390/antibiotics10050549>
- Tooke, C. L., Hinchliffe, P., Bragginton, E. C., Colenso, C. K., Hirvonen, V. H., Takebayashi, Y., & Spencer, J. (2019). β -Lactamases and β -lactamase Inhibitors In The 21st Century. *Journal of Molecular Biology*, 431(18), 3472-3500. <https://doi.org/10.1016/j.jmb.2019.04.002>
- Torniainen, K., Tammilehto, S., & Ulvi, V. (1996). *The Effect of pH, Buffer Type and Drug Concentration on The Photodegradation of Ciprofloxacin*. *International Journal of Pharmaceutics*, 132(1-2), 53-61. [https://doi.org/10.1016/0378-5173\(95\)04332-2](https://doi.org/10.1016/0378-5173(95)04332-2)
- Usman, M. R., Prasasti, A., Islamiah, S., Firdaus, A. N., Marita, A. W., Fajriyah, S., & Yanti, E. F. (2020). *Ceftriaxone Degradation Using*

Titanium Dioxide (TiO₂) Nanoparticles: Toxicity and Degradation Mechanism. Jurnal Kimia Valensi, 6(1), 82–89.

<http://journal.uinjkt.ac.id/index.php/valensi>

Wagner, R. D., Johnson, S. J., Cerniglia, C. E., & Erickson, B. D. (2011). *Bovine Intestinal Bacteria Inactivate and Degrade Ceftiofur and Ceftriaxone with Multiple Beta-Lactamases.* *Antimicrobial Agents and Chemotherapy*, 55(11), 4990–4998.

<https://doi.org/10.1128/AAC.00003-11>

Wagner, S., Gros, M., Malato, S., Hartmann, J., Kunkel, U., Wenzel, A., von Gunten, U., & Mestankova, H. (2011). *Oxidation of β -lactam Antibiotics by Ozone, Hydroxyl Radicals, and Chlorine: Reaction Rates and Elimination of Biological Activity.* *Environmental Science & Technology*, 45(12), 5452–5458. <https://doi.org/10.1021/es200009x>

Wammer, K. H., Korte, A. R., Lundeen, R. A., Je, J. E., Swanson, A. K., & Pedit, J. A. (2013). *Direct Photochemistry of Three Fluoroquinolone Antibacterials: Norfloxacin, Ofloxacin, and Enrofloxacin.* *Water Research*, 47(1), 439–448.

<https://doi.org/10.1016/j.watres.2012.10.025>

Widayani, S. S., Yuliani, S. H., & Putri, D. C. A. (2018). *Peracikan Sediaan Steril untuk pasien Intensive care Unit (ICU) Di Salah Satu Rumah Sakit Swasta Di Semarang.* *Jurnal Farmasi Sains Dan Komunitas*, 15(2), 72–80.