



DAFTAR PUSTAKA

- American Thoracic Society, 2005, Infectious Diseases Society of America Guidelines for the management of adults with hospital-acquired, ventilator-associated, and healthcare-associated pneumonia. *Am J Respir Crit Care Med*, **171**:388–416.
- American Thoracic Society. 1996, Hospital-acquired pneumonia in adults: diagnosis, assessment of severity, initial antimicrobial therapy, and preventive strategies [consensus statement]. *Am J Respir Crit Care Med*; **153**:1711–1725.
- Andes D, Anon J, Jacobs MR, Craig WA. Application of pharmacokinetics and pharmacodynamics to antimicrobial therapy of respiratory tract infections. *Clin Lab Med* 2004; **24**:477–502.
- Arancibia F, Bauer TT, Ewig S, et al. 2002. Community-acquired pneumonia due to gram-negative bacteria and *Pseudomonas aeruginosa*: incidence, risk, and prognosis. *Arch Intern Med*. **162**:1849-1858.
- Arias C.A, Murray BE., 2009. Antibiotic-resistant bugs in the 21st century Vacterial super-challenge. *N Engl J Med*, **360**:439-443.
- Attridge RT, Frei CR, Restrepo MI, Lawson KA, Ryan L, Pugh MJ, et al., 2011. Guideline-concordant therapy and outcomes in healthcare- associated pneumonia. *Eur Respir J*, **38**:878-887
- Bauer, L.A., 2008. *Applied Clinical Farmakokinetics*, 2nd ed. The McGraw-Hill Medical .
- Boucher H.W., Talbot G.H., Bradley J.S., Edwards J.E., Gilbert D., dkk., 2009. Bad bugs no drugs. *An update from the Infectious Diseases Society of America Clin Infect Dis*, **48**:1-12.
- Brandon J. W., Benjamin S., Dangerfield B., Jabraan S., Pasha C., Neera A.D., et al., 2012. Guideline-concordant antibiotic therapy and clinical outcomes in healthcare-associated pneumonia. *Respir Med* , **106**: 1606-161.
- Brunton, L.L., Lazo, J.S., Parker, K.L., Buxton, Iain, L.O., dan Blumenthal, D.K., 2006. *Goodman and Gillman's The Pharmacological Basis of Therapeutics*, 11th ed. The McGraw-Hill Companies, Inc, USA.
- Calbo, E. and Garau, J., 2005. Application of Pharmacokinetics and Pharmacodynamics of Antimicrobial Therapy of Community-Acquired Respiratory Tract Infections. *Respiration*, **72**: 561–571.



- Carpenter, C.F. and Chambers, H.F., 2004. Daptomycin: Another Novel Agent for Treating Infections Due to Drug-Resistant Gram-Positive Pathogens. *Clin Inf Dis*, **38**: 994–1000.
- Chastre J, Wolff M, Fagon JY, Chevret S, Thomas F, Wermert D, et al. 2003. Comparison of 8 vs 15 days of antibiotic therapy for ventilator-associated pneumonia in adults: a randomized trial. *JAMA*, **290**:2588–2598.
- Craig WA. 2003. Basic pharmacodynamics of antibacterials with clinical applications to the use of β -lactams, glycopeptides, and linezolid. *Infect Dis Clin North Am*, **17**:479–501.
- Cunha B.A., 2001. Nosocomial Pneumonia : Diagnostic and therapeutic considerations. *The Med Clin of North America*, **20**: 79 – 114.
- Cynthia, A.B. dan Steven, P.G., 2002. *An Update on Treatment of Community Acquired Pneumonia*. Temple University School of Pharmacy.
- Dahlan, Z., 2009. *Pneumonia Dalam : Buku Ajar Ilmu Penyakit Dalam Jilid III*. Interna Publishing, Jakarta Pusat.
- Dahlan, Z., 2012. *Kompendium Tatalaksana Respirologi Respirasi Kritis*. PERPARI, Bandung.
- DeFrances C.J., Lucas C.A., Buie V.C., Golosinski A., 2006. National Hospital Discharge Survey. *Natl Health Stat Report*, **2008**:1-20.
- Dhainaut J.F., Laterre P.F., LaRosa S.P., Levy H., Garber G.E., Heiselman D., et al., 2003. The clinical evaluation committee in a large multicenter phase 3 trial of drotrecogin alfa (activated) in patients with severe sepsis (PROWESS): role, methodology, and results. *Crit Care Med*, **31**: 2291-2301.
- Drusano G.L., 2004. Antimicrobial Farmakodinamiks: critical interactions of 'bug and drug'. *NatRev Microbiol*, **2**:289-300.
- Edmunds J., Mykietiuk A., Fernndez S.N., Surez C., Dorca J., Verdague R., et al. 2007. Health care-associated pneumonia requiring hospital admission: epidemiology, antibiotic therapy, and clinical outcomes. *Archives of Int Med*, **167**:1393-1399.
- Engleberg, N.C., Dermody, T., dan Dirita, V., 2012. Schaechter's Mechanisms of Microbial Disease. Lippincott Williams & Wilkins, North American.
- Falcone M, Venditti M, Shindo Y, Kollef MH, 2011. Healthcare-associated pneumonia: Diagnostic criteria and distinction from community-acquired pneumonia. *Int J Infect Dis*, **15**:545-550.



Fei Q.I., Guo X.Z., Dan Y.S., Zhi X.L., Ren T.W., Zhen Y., *et al.* 2015.
Healthcare-associated Pneumonia: Clinical Features and Retrospective Analysis Over 10 Years. *Chinese Med J.* **128**:1707-1713.

Ferrer R., Artigas A., Suarez D., Palencia E., Levy M.M., Arenzana A., et al., 2009. Effectiveness of treatments for severe sepsis: a prospective, multicenter, observational study. *Am J Respir Crit Care Med.* **180**:861-866.

Fink MP, Snydman DR, Niederman MS, Leeper KVJ, Johnson RH, Heard SO, *et al.*, Severe Pneumonia Study Group. Treatment of severe pneumonia in hospitalized patients: results of a multicenter, randomized, doubleblind trial comparing intravenous ciprofloxacin with imipenem– cilastatin. *Antimicrob Agents Chemother* 2004; **38**:547–557.

Friedman ND, Kaye KS, Stout JE, McGarry SA, Trivette SL, Briggs JP, *et al*, 2002.. Healthcareassociated bloodstream infections in adults: a reason to change the accepted definition of community-acquired infections. *Ann Intern Med*,**137**:791–797.

Gaynes R., 2002. Health-care associated bloodstream infections: a change in thinking. *Ann Intern Med*,**137**:850–851.

Glover, M.L. dan Reed, M.D., 2008. Lower Respiratory Tract Infection, dalam: *Pharmacotherapy Phatophisiologic Approacch*. McGraw Hill MedicalCompanies, Inc.

Hakim, L., 2012. *Farmakokinetika Klinik*, Farmasi Klinis. Bursa Ilmu, Yogyakarta.

Heron M., Hoyert D.L., Murphy S.L., 2009. Deaths: final data for 2006. *Natl Vital Stat Rep*, **57**:1-134.

Hutt E, Kramer AM., 2002. Evidence-based guidelines for management of nursing home-acquired pneumonia. *J Fam Pract* 2002; **51**:709–716.

James D.C, Joann K.T., Gillian B.F., Ahsan R.A., Pallavi M, Adam T.H., *et al.* 2011. Epidemiology, Antibiotic Therapy, and Clinical Outcomes in Health Care Associated Pneumonia : A UK Cohort Study. *Clin Infect Dis*, **53**:107–113.

Jordi C., Analia M., Nuria F.S., 2007. Health Care-Associated Pneumonia Requiring Hospital Admisson. *Am Med Association*, **167**:1393-1399.



Jung JY, Park MS, Kim YS, Park BH, Kim SK, Chang J, et al., 2011. Healthcare-associated pneumonia among hospitalized patients in a Korean tertiary hospital. *BMC Infect Dis*, **11**:61-71.

Kang J.S., dan Lee M.H., 2009. Overview of Therapeutic Drug Monitoring. *The Korean J of Int Med*, **24**:1.

Kollef M.H., Shorr A., Tabak Y.P., Gupta V., Liu L.Z., 2005. Epidemiology and outcomes of health-care associated pneumonia: results from a large US database of culture-positive pneumonia. *Chest*, **128**: 3854-3862.

Kollef MH., 2008. Broad-spectrum antimicrobials and the treatment of serious bacterial infections: getting it right up front. *Clin Infect Dis*. **47**:S3-S13.

Lee H.L and Kim Y.H., 2012. Comparisson of clinical characteristics between healthcare-associated pneumonia and community-acquired pneumonia in patients admitted to secondary hospitals. *Braz J Infect Dis*, **16**:321-328.

Leekha, S., Terrell, C.L., dan Edson, R.S., 2011. General Principles of Antimicrobial Therapy. *Mayo Clinic Proceedings*, **86**: 156–167.

Lescure FX, Locher G, and Eveillard M, 2006. community-acquired infection with healthcare-associated methicillin-resistant *Staphylococcus aureus*: the role of home nursing care. *Infect Control Hosp Epidemiol*, **27**:1213-1218.

Lexicomp, 2015. *Drug Information Handbook: A Comprehensive Resource for All Clinicians and Healthcare Professionals*. Lexi-Comp.

Marin H. K., Andrew S., Ying P. T.,Larry Z.L., and Johannes R.S., 2005. Epidemiology and Outcomes of Health-care–Associated Pneumonia : Results From a Large US Database of Culture-Positive Pneumonia. *CHEST*, **128** : 3854-3862.

Menkes RI, 2011. Permenkes Nomor 2406/MENKES/PER/XII/2011 Tentang Pedoman Umum Penggunaan Antibiotik.

Menkes RI, 2015. Permenkes Nomor 8 Tahun 2015 Tentang Program Pengendalian Resistensi Antimikroba Di Rumah Sakit.

McKinnon P.S., Paladino J.A., and Schentag J.J., 2008. Evaluation of area under the inhibitory curve (AUIC) and time above the minimum inhibitory concentration (T>MIC) as predictors of outcome for cefepime and ceftazidime in serious bacterial infections. *Int J Antimicroba Agents*, **31**:345-51.



McKinnon P.S., and Davis S.L., 2004. Pharmacokinetic and Pharmacodynamic Issues in the treatment of Bacterial Infectious Disease. *Eur J Clin Microbial Infect Dis*, **23**:271-288.

Micek ST., Kollef KE., Reichley RM., Roubinian N., and Kollef MH., 2007. Health care-associated pneumonia and community-acquired pneumonia: a single-center experience. *Antimicrob Agents Chemotherapy*, **51**:3568-3573.

Misnadiarly, 2008. *Penyakit Infeksi Saluran Napas Pneumonia Pada Anak, Orang Dewasa, Usia Lanjut, Pneumonia Atipik & Pneumonia Atipik Mycobacterium*, 1st ed. Pustaka Obor Populer, Jakarta.

Mylotte JM., 2012. Nursing home-acquired pneumonia. *Clin Inf Dis*, **35**:1205-1211.

Olofsson S.K., Marcusson L.L., and Stromback A., 2007. Dose-related selection of fluoroquinolone resistant *Escherichia coli*. *J Antimicrob Chemother*, **60**:795-801.

Park HK, Song JU, and Um SW., 2010. Clinical characteristics of health care-associated pneumonia in a Korean teaching hospital. *Respir Med*, **104**:1729–1735.

Paterson, D.L. dan Bonomo, R.A., 2005. Extended-Spectrum β-Lactamases: a Clinical Update. *Clinical Microbiology Reviews*, **18**: 657–686.

Perhimpunan Dokter Paru, 2003. Pneumonia Komuniti. *Pedoman diagnosis & Penatalaksanaan di Indonesia*. Jakarta: Perhimpunan Dokter Paru Indonesia Prahasto, I.D., Kristin, E., dan Mustofa., 1995. *Penggunaan Antibiotika Rasional*. Laboratorium Farmakologi Fakultas Kedokteran Universitas Gadjah Mada, Yogyakarta.

Price, S.A. dan Wilson, L.M., 2006. *Pathophysiologi : Clinical Concept of Diseases Processes*, 6th ed. ECG, Jakarta.

Restinia, M., Lucida, H., and Gillani, S.W., 2010. Longitudinal clinical evaluation of antibiotic use among patients with infection. *Int J of Pharmacy & Life Sciences*, **3**: 1935–1945.

Roberts J.A, Kruger P and Paterson DL., 2008. Antibiotic resistance—what's dosing got to do with it?. *Crit Care Med*, **36**:2433-2440.

Ruskanen, O., Lahti, E., Jennings, L.C., and Murdoch, D.R., 2014."Viral pneumonia". *Lancet*, **377**:1264-75.



Russell T.A and Christopher R.F., 2011. Health Care-Associated Pneumonia : An Evidence-based Review. *The American J of Med*, **124**:688-697.

Scott T.M, Richard M., and Marin H.K., 2011. Health Care-Associated Pneumonia (HCAP) Empiris Antibiotics Targeting Methicillin-Resistant *Staphylococcus aureus* (MRSA) and *Pseudomonas aeruginosa* Predict Optimal Outcome. *Medicine*, **90**:390-395.

Shindo Y, Sato S, Maruyama E, Ohashi T, Ogawa M, Hashimoto N, et al., 2009. Health-care-associated pneumonia among hospitalized patients in a Japanese community hospital. *Chest*, **135**:633-640.

Seymann G.B., 2008. Treatment must cover more virulent pathogen, Health care-associated pneumonia: Meeting the clinical challenges. *The J of Resp Di*, **29**:208-213.

Seymann G.B., Di Francesco L., Sharpe B., Rohde J., Fedullo P., Schneir A., et al., 2009. The HCAP gap:differences between self-reported practice patterns and published guidelines for health care-associated pneumonia. *Clin Infect Dis*, **49**:1868-1874.

Shorr AF, Zilberberg MD, Micek ST, and Kollef MH. Prediction of infection due to antibiotic-resistant bacteria by select risk factors for health care-associated pneumonia. *Arch Intern Med*. 2008; **168**: 2205-2210.

Siregar, C.J., 2005. *Farmasi Klinik Teori Dan Penerapan*. Penerbit Buku Kedokteran EGP, Jakarta.

Utterback B.G., and Maki D., 2003. The clinical evaluation committee in a large multicenter phase 3 trial of drotrecogin alfa (activated) in patients withsevere sepsis (PROWESS): role, methodology, and results. *Crit Care Med*, **31**:2291-2301.

Vicas A, Strom J, Stanley K, and D'Agata EM., 2008. Multidrug-resistant Gram-negative bacteria among patients who require chronic hemodialysis. *Clin J Am Soc Nephrol*, **3**:752–8.

Winter, M., 1994. *Basic Clinical Farmakokinetiks*, 3rd ed. Vancouver.

Wells, B.G., 2009. *Pharmacotherapy Handbook*. McGraw-Hill Medical Pub. Division, New York.

Yuichiro S., Shinji S., and Eiichi M., 2009. Healthcare-Aassiated Pneumonia Among Hospitalizrd Patients in a Japanese Community Hospital. *Chest*, **135**:633-640.



UNIVERSITAS
GADJAH MADA

Evaluasi Kesesuaian Penggunaan Antibiotik Empiris Dan Definitif Pada Pasien Health-Care
Associated
Pneumonia (HCAP) Rawat Inap di RSUP Dr. Sardjito Yogyakarta
FEBRIA N KUSUMA DEWI, Dr. Ika Puspita Sari, M.Si., Apt ; dr. Rizka Humardewayanti Asdie, Sp.PD-KPTI
Universitas Gadjah Mada, 2017 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Zapantis, A., Lacy, M.K., Horvat, R.T., Grauer, D., Barnes, B.J., O'Neal, B., *et al.*, 2005. Nationwide Antibiogram Analysis Using NCCLS M39-A Guidelines. *Journal of Clin Micro*, **43**: 2629–2634.

Zilberberg M.D., Shorr A.F., Micek S.T., Mody S.H., and Kollef M.H., 2008. Antimicrobial therapy escalation and hospital mortality among patients with health-care-associated pneumonia: a single center experience. *Chest*, **134**:963–968.