

## DAFTAR PUSTAKA

- Anzai Y., Sakai A., Li W., Iizaka Y., Koike K., Kinoshita K. and Kato F., 2010, Isolation and characterization of 23-O-mycinosyl-20-dihydro-rosamicin: a new rosamicin analogue derived from engineered *Micromonospora rosaria.*, *The Journal of antibiotics*, 63 (6), 325–328. Terdapat di: <http://dx.doi.org/10.1038/ja.2010.38>.
- Beveridge T.J., 1990, Mechanism of Gram Variability in Select Bacteria, *Journal of Bacteriology*, 172 (3), 1609–1620.
- Farida H. and Notoatmodjo H., 2008, Penggunaan Antibiotik Secara Bijak Untuk Mengurangi Resistensi Antibiotik, Studi Intervensi di Bagian Kesehatan Anak RS Dr. Kariadi, *Sari Pediatri*, 10 (1), 34–41.
- Gathogo E.W.N., Waugh A.C.W., Peri N., Redpath M.B. and Long P.F., 2004, Rapid detection of “ rare ” *Actinomycetes* in environmental samples, *Biotechnology Letters*, 26, 897–900.
- Gupta S.K., Sharma A. and Bengal W., 2015, Dynamic properties of *Escherichia coli*, *World Journal Of Pharmacy And Pharmaceutical Sciences*, 4 (07), 296–307.
- Iqbal Z. and Sajid I., 2015, Antimicrobial Activity and Metabolic Fingerprinting of *Rare Actinomycetes* Isolated from Fresh Water Lakes and Seasonal Ponds in Northern Punjab ,Pakistan, *Journal of Advances in Biology & Biotechnology*, 4 (August 2014), 1–11.
- ITIS, 2016, *Escherichia coli*, *ITIS REPORT*
- Jannah F.M., 2013, Uji Aktivitas Isolat *Actinomycetes* dari Tanah Sawah Sebagai Penghasil Antibiotik, *Skripsi*, Fakultas Farmasi Universitas Muhammadiyah Surakarta.
- Jawetz E., Melnick J. and Adelberg E., 1996, *Mikrobiologi Kedokteran*, 20th ed., diterjemahkan oleh Edi Nugroho, R.F. Maulany, Jakarta.
- Kang C.I. and Song J.H., 2013, Antimicrobial resistance in Asia: Current epidemiology and clinical implications, *Infection and Chemotherapy*, 45 (1), 22–31.

- Kanti A., 2005, *Actinomycetes* Selulolitik dari Tanah Hutan Taman Nasional, Jambi, *Lembaga Ilmu Pengetahuan Indonesia*, 6 (April), 85–89.
- Kwan D.H. and Schulz F., 2011, The stereochemistry of complex polyketide biosynthesis by modular polyketide synthases, *Molecules*, 16 (7), 6092–6115.
- Lestari, E.S. and Severin J.A., 2009, Antimicrobial Resistance in Indonesia Prevalence , determinants and genetic basis, *Thesis*, Erasmus University of Rotterdam, 93-105
- Lisdiyanti P., Ratnakomala S., Ridwan R., Widyastuti Y., Otaguro M. and Katsuhiko A., 2011, Ecological Study of *Rare-Actinomycetes* in Soils and Leaf-Litters, *Annales Bogorienses*, 15 (2).
- Naikpatil S. V and Rathod J.L., 2011, Selective isolation and antimicrobial activity of *rare Actinomycetes* from mangrove sediment of Karwar, *Journal of Ecobiotechnology*, 3 (10), 48–53.
- Nedialkova D. and Naidenova M., 2005, Screening The Antimicrobial Activity of *Actinomycetes* Strains Isolated From Antarctica, *Journal of Culture Collections*, 4, 29–35.
- Noviana H., 2004, Pola kepekaan antibiotika *Escherichia coli* yang diisolasi dari berbagai spesimen klinis, *Jurnal Kedokteran Trisakti*, 23 (4), 122–126.
- Okudoh V.I. and Wallis F.M., 2007, Antimicrobial activity of *rare Actinomycetes* isolated from natural habitats in KwaZulu-Natal , South Africa, *South African Journal of Science* 103, 216–222.
- Pelczar M.J. and Chan E.C.S., 2006, *Dasar-Dasar Mikrobiologi*, UI Press, Jakarta.
- Pratiwi S.T., 2009, *Mikrobiologi Farmasi*, Erlangga.
- Ristrianto D., 2010, Isolasi *rare Actinomycetes* dari pasir pantai Depok Yogyakarta yang berpotensi menghasilkan antibiotik terhadap *Escherichia coli* multiesisten, *Skripsi*, Fakultas Farmasi Universitas Muhammadiyah Surakarta.
- Sulistiyani N. and Akbar A.N., 2014, Aktivitas Isolat *Actinomycetes* dari Rumput Laut (*Euclidean cottonii*) sebagai Penghasil Antibiotik terhadap *Staphylococcus aureus* dan *Escherichia coli*, *Jurnal Ilmu Kefarmasian Indonesia*, 12 (1), 4–12.

- Tiwari K. and Gupta R.K., 2012, *Rare Actinomycetes* : a potential storehouse for novel antibiotics, *Critical Reviews in Biotechnology*, 32 (April 2010), 108–132.
- Waksmundzka-Hajnos M., Sherma J. and Kowalska T., 2008, Thin layer chromatography in phytochemistry, *Chromatographic science series*, 99, 184. Terdapat di: <http://www.loc.gov/catdir/toc/fy0804/2007040781.html>.
- Williams P.G., Miller E.D., Asolkar R.N., Jensen P.R. and Fenical W., 2007, Arenicolides A-C, 26-membered ring macrolides from the marine *Actinomycete Salinispora arenicola*, *Journal of Organic Chemistry*, 72 (14), 5025–5034.