



DAFTAR PUSTAKA

- Aman, G.M., Harsono, W., 1986, Permintaan Resep-Resep Antibiotika oleh Dokter di Denpasar, majalah *Farmasi Indonesia*, 3, 69-72
- Baltz, R.H., 1986, Mutation in *Streptomyces*, in Queener, S.W., Day, L.E., (Eds.), *The Bacteria : A Treatise on Structure and Function*, Vol. IX, 61-89, Academic Press Inc., USA
- Corcoran, J.W., 1981, Biochemical Mechanism in The Biosynthesis of The Erythromycins, in Corcoran, J.W., (Ed.), *Biosynthesis Antibiotic*, IV, 132-158, Springer-Verlag, Berlin, Heidelberg, New York
- Corcoran, J.W., Chick, M., Darby, F.J., 1974, The Biogenesis of Fatty Acids and Erythronolide-like Substances in Micelium Free Extract of *Streptomyces erythraeus*, Proc, 4th edition, *Int. Congr. Chemoter.*, 35
- Corcoran, J.W., 1974, Lipid and Macrolid Lactone Biosynthesis in *Streptomyces erythraeus*, *Development in Industrial Microbiology*, Vol. 15, 93-100, Institute of Biological Science, Washington D.C.
- Crueger, W., Crueger, A., 1984, *Biotechnology : A Textbook of Industrial Microbiology*, English edition, 9-37, Science Tech Inc., Madison, WI
- Dietz, A., 1986, Structure and Taxonomy of *Streptomyces*, in Queener, S.W., Day, L.E., (Eds.), *The Bacteria : A Treatise on Structure and Function*, Vol. IX, 12-17, Academic Press Inc., Orlando, San Diego, New York, Austin, London, Montreal, Sydney, Tokyo, Toronto
- Donadio, S., Staver, M.J., McAlpin, J.B., Swanson, S.J., Katz, L., 1991, Modular Organization of Genes Required for Complex Polyketide Biosynthesis, *Science*, Vol. 252, 675-679
- Freifelder, D., 1985, *Essential of Molecular Biology*, 172-182, Jones and Bartlett Publisher Inc., Boston, USA
- Frobisher, 1974, *Fundamental of Microbiology*, 9th ed., 595-596, W.B. Saunders Co, Philadelphia, London, Toronto



- Geddes, A. M., Gilles, H.M., Wood, M.J., 1984, Therapeutics, in *Medicine International* (Indonesia Ed.), Vol. 2, March, 48
- Gennaro, A.R., 1990, *Remington's Pharmaceutical Sciences*, 18th ed., 1206, Mack Publishing Company, Easton, Pennsylvania
- Hutchinson, C.R., Weber, J.M., Wierman, C.K., 1985, Genetic Analysis of Erythromycin Production in *Streptomyces erythraeus*, *Journal of Bacteriology*, Vol. 164, No.1, 425-433
- Jawetz, E., Melnick, J.L., Adelberg, E.A., 1986, *Mikrobiologi Untuk Profesi Kesehatan (Review of Medical Microbiological)*, diterjemahkan oleh H. Tonang, Edisi 16, 43-52, Penerbit Buku Kedokteran EGC, Jakarta
- Jenie, U.A., Sudiby, R.S., Ganjar, I.G., 1991, *Profil Optimasi Produksi Eritromisin dari Biakan Streptomyces erythraeus dengan Penambahan Asam Suksinat dan Propionat-Biotin*, Laporan Penelitian DPPM LP-UGM, Yogyakarta
- Jenie, U.A., Sudiby, R.S., Christo, B.A., 1993, Pengaruh Penambahan Natrium Propionat dan Biotin Dosis Rendah terhadap Produksi Eritromisin pada Fermentasi *S. erythraea*, *Majalah Farmasi Indonesia*, in Press
- Jenie, U.A., Sudiby, R.S., 1993, *Perbandingan Penggunaan Propionat, Suksinat, dan Minyak Kelapa Sawit untuk Meningkatkan Produksi Antibiotik Eritromisin pada Fermentasi Saccharopolyspora erythraea, serta Cara Pengunduhannya*, Laporan Penelitian, Fakultas Farmasi UGM, Yogyakarta
- Jenie, U.A., Sudiby, R.S., Anwar, C., 1994, *Mutagenesis Saccharopolyspora erythraea Untuk Mendapatkan Mutan Penghasil Eritromisin Tinggi, serta Usaha Pembuatan Turunan Eritromisin Baru dengan Cara Teknik Biosintesis Hibrida*, Laporan Penelitian Tahun Pertama R.U.T.-I 1993-1994, PAU Bioteknologi UGM, Yogyakarta
- Kadarwati, U., Sukasediati, N., Gitawati, Retno, Uci, R., 1989, Pola Resistensi Kuman Kokus Terhadap Enam Jenis Antibiotika di Wilayah Jakarta Timur, *Cermin Dunia Kedokteran*, 56, 45-48



- Kirst, H.A., Sides, G.D., 1989, New Direction for Macrolide Antibiotics : Structural Modifications and In Vitro Activity, *Antimicrobial Agents and Chemotherapy*, American Society for Microbiology, Volume 33, 1413, USA
- Lehninger, A.L., 1975, *Biochemistry*, 2nd ed., 555, Worth Publisher Inc., New York
- Luckner, M., 1984, *Secondary Metabolism in Microorganism, Plant and Animals*, Second revised and enlarged edition, 191, Springer-Verlag, Berlin, Heidelberg, New York, Tokyo
- Manitto, P., 1981, *Biosynthesis of Natural Products*, 10-14, 110-116, 210, John Wiley & Sons, New York
- Martin, J.R., Egan, R.S., Golstein, A.W., Collum, P., 1975, Extension of The Erythromycin Biosynthetic Pathway : Isolation and Structure of Erythromycin E, *Tetrahedron*, 31, 1985-1989
- Martin, J.R., DeVault, R.L., Sinclair, A.C., Stonaszek, R.S., Johnson, P., 1982, A New Naturally Occurring erythromycin : Erythromycin F, *J. Antibiot.*, 35, 426-430
- Meister, A., 1965, *Biochemistry of Amino Acids*, 2nd ed., Vol. II, 729-757, Academic Press, New York, London
- Nakayama, I., 1984, Macrolid in Clinical Practise, in Omura, S., (Ed.), *Macrolid Antibiotics*, 263-265, Academic Press Inc., Orlando, San Diego, New York, Toronto, Montreal, Sidney, Tokyo
- Omura, S., Tanaka, Y., 1984, Biochemistry, Regulation, and Genetics of Macrolide Production, in Omura, S., (Ed.), *Macrolide Antibiotics*, 200-208, 211, Academic Press Inc., Orlando, San Diego, New York, Toronto, Montreal, Sidney, Tokyo
- Omura, S., Tanaka, Y., 1986, Macrolid Antibiotics, in Pape, H., Rehm, H. J., (Eds.), *Biotechnology*, IV, 361-371, VCH Verlagsgesellschaft mbh, Republic of Germany
- Reed, G., 1983, *Prescott & DUNN'S Industrial Microbiology*, 4th ed., Milwaukee, Wisconsin



- Sampurno, D.D., Kadarwati, U., Gan, V.H.S., 1991, Dosis Untuk Antibiotika Dalam Preskripsi Racikan Untuk Anak Suatu Studi Kasus, *Cermin Dunia Kedokteran*, 72, 45-48
- Seno, E.T., Hutchinson, C.R., 1986, The Biosynthesis of Tylosin and Eritromisin, Model System for Studies of Genetics and Biochemistry of Antibiotic Formation, in Queener, S.W., Day, L.E., (Eds), *The Bacteria : Antibiotic Producing Streptomyces*, IX, 252-261, Academic Press Inc., Orlando, San Diego, New York, Austria, London, Montreal, Sidney, Tokyo, Toronto
- Seno, E.T., Baltz, R.H., 1989, Structural Organization and Regulation of Antibiotic Biosynthesis and Resistance Genes in Actinomycetes, in Saphiro, S., (Ed.), *Regulation of Secondary Metabolism in Actinomycetes*, 2, 21, CRC Press, Inc., Florida
- Stanbury, P.F., Whitaker, A., 1984, *Principles of Fermentation Technology*, 1-24, Pergamon Press, Oxford New York, Toronto, Sidney, Paris, Frankfurt
- Sudibyo, R.S., 1991^a, *Petunjuk Praktikum Kursus Singkat Fermentasi Antibiotik*, PAU Bioteknologi UGM, 20 Des.-22Feb. 1991, Yogyakarta
- Sudibyo, R.S., 1991^b, *Isolasi dan Identifikasi Turunan 5-Deazaflavin dari Biakan *Saccharopolyspora erythraea* ATCC 11635*, 4, Laporan Penelitian, PAU Bioteknologi UGM, Yogyakarta
- Sudibyo; R.S., Jenie, U.A., Ikawati, Z., Sumeri, 1992, *Profil Produksi Eritromisin oleh *Saccharopolyspora erythraea* NRRL 2338 dengan Penambahan Suksinat Pada Fase Berbeda dari Propionat*, Makalah disampaikan pada Seminar Nasional Bioteknologi III, PAU Bioteknologi UGM, Yogyakarta, 8-9 Mei 1992
- Sudibyo, R.S., Jenie, U.A., Ismail, H., 1991, *Pengaruh Penambahan Asam Suksinat pada Fase Stasioner terhadap Produksi Eritromisin pada Kultur *Saccharopolyspora erythraea* NRRL 2338*, Makalah disampaikan pada Kongres ISFI, Jakarta, 2-4 Nopember 1991
- Sudibyo, R.S., Jenie, U.A., Kasanah, N., Wahyudi, A., 1994, *Pengaruh Penambahan Minyak Kelapa Sawit dan Tapioka terhadap Peningkatan Produksi Biakan*



Saccharopolyspora erythrea ATCC 11635, *Majalah Farmasi Indonesia*, (in Press)

Umaly, R.C., Roderos, R.R., 1988, *Lecture Notes on Molecular Genetics*, 309-335, National Book Store Publisher, Metromanila, Philipines

Webber, J.M., Leung, J.O., Maine, G.T., Potenz, R.H.B., Paulus, T.T., DeWITT, J.P., 1990, Organization of a Cluster of Erythromycin Genes in *Saccharopolyspora erythrea*, *Journal of Bacteriology*, Vol.172, No. 5, 2372, 2381