



#### DAFTAR PUSTAKA

- Amini, 1991, *Bioteknologi, Pengantar*, 2, 15-17, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Astuti, H., 1991, *Berbagai Media Tumbuh Escherichia coli Untuk Mengubah Benzilpenisilin Menjadi Asam 6-Aminopenisilanat*, Skripsi, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Balasingham, K., Warburton, D., Dunnill, P. and Lilly, M.D., 1972, *Biochim. Biophys. Acta*, 276, 250.
- Batchelor, F.R., Chain, E.B., Hardy, T.L., Mansford, K.R., and Rolinson, G.N., 1961, *Proc. Roy. Soc. Ser. B.*, 154, 498
- Bessman, M.J., 1963, Replication of DNA in Cell Free Systems, in Taylor, J.H., (Ed.), *Molecular Genetics*, Part I, 17-20, Academic Press, New York.
- Bomstein, J. and Evans, W.G., 1965, Automated Colorimetric Determination of 6-aminopenicillanic Acid, in Lawrence, T.H., (Ed.), *Analytical Chemistry*, 37, No.3, 576-578, American Chemical Society Publications, Reinhold Publishing Corp., Washington.
- Boyd, R.F. and Marr, J.J., 1980, *Medical Microbiology*, First Ed., 29, 51-56, 89-101, Little, Brown and Company Inc., New York.
- Chain, E.B., 1964, the New Penicillins, in Michael, S., (Ed.), *New Perspectives in Biology*, 205-212, Elsevier Publishing Company, London.
- Cole, M. and Savidge, T.A., 1969, Penicillin Acylase (Bacterial), in *Antibiotic Inactivation and Modification*, 705-717.
- Cole, M., Savidge, T., and Vanderhaeghe, 1961, Penicillin Acylase (Assay), in *Antibiotic Inactivation and Modification*, 698-704.
- Elseth, G.D. and Baumgardner, K.D., 1984, *Genetics*, 74, 75, 125-127, Addison-Wesley Publishing Company, Menlo Park, California.
- Freifelder, D., 1989, *Molecular Biology*, 2<sup>nd</sup> Ed., 620, 625-627, 635, Jones and Bartlett, Boston.
- Goodenough, U., 1988, *Genetika*, Diterjemahkan oleh Adisoemarto, S., Jilid I, Edisi ketiga, 4-6, 14-15, 242-253, 288-294, Erlangga, Jakarta.



- Hadiotomo, R.S., 1985, *Mikrobiologi Dasar Dalam Praktek, Teknik dan Prosedur Dasar Laboratorium*, 134, 137-140, Gramedia, Jakarta.
- Haryana, S.M.dan Prakoso,D., 1990, *DNA Rekombinan, Petunjuk Laboratorium*, PAU Bioteknologi UGM, Yogyakarta.
- Hendrokesowo, Koesnijo,dan Suwarji, 1984, *Mikrobiologi Bakteriologi Khusus II*, 1-6, Bagian Mikrobiologi Fakultas Kedokteran UGM, Yogyakarta.
- Higuchi,T.and Hanssen,E.B., 1961, *Pharmaceutical Analysis*, 426-428, Interscience Publishers, New York.
- Jawetz,E., Melnick,J.L., Adelberg, E.A., Brooks,G.F., 1989, *Medical Microbiology*, 18<sup>th</sup> Ed., 204-206, Prentice-Hall International Inc., Toronto.
- Jawetz,E., Melnick,J.L., Adelberg, E.A., 1986, *Mikrobiologi untuk Profesi kesehatan*, Diterjemahkan oleh Gerard Bonang, 58-63, EGC Penerbit Buku Kedokteran, Jakarta.
- Jenie,U.A., 1993, Komunikasi pribadi dengan penulis, April 1993, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Lehninger,A.L., 1990, *Dasar-Dasar Biokimia*, Diterjemahkan oleh Maggy Thenawidjaya, Jilid Pertama, 22-24, Erlangga, Jakarta.
- Martin,D.W., Mayes,P.A.and Rodwel,V.W., 1983, *Review of Biochemistry*,Diterjemahkan oleh Dharma dan niawan, Edisi 19, 402-405, 465-466, EGC Penerbit Buku Kedokteran, Jakarta.
- Martindale, 1977, *The Extra Pharmacopoeia*, 27<sup>th</sup> Ed., 1081-1085, The Pharmaceutical Press, London.
- Moss,M.O., 1977, Enzymic Alterations of Penicillins and Cephalosporins, in Wiseman,A.,(Ed.), *Enzyme and Fermentation Biotechnology*, 114-123, Ellis Horwood Limited, New Yirk.
- Mutschler,E., 1991, *Dinamika Obat*, Diterjemahkan oleh Widiyanto,M.B., dan Ranti,A.S., Edisi kelima 635-637, ITB, Bandung.
- Nayler,J.H.C., 1991, Semi Synthetic Approaches to Novel Penicillins, *TIBS*,16, 234-237, Elsevier Science Publishers.
- Oostendorp,J.G.,and Leuwenhoek,A.V., 1972, *J. Microbiol. Serol.*, 38, 201.



UNIVERSITAS  
GADJAH MADA

- Plummer, D.T., 1971, *An Introduction to Practical Biochemistry*, 211, 216, Tata Mc.Graw-Hill Publishing Company Ltd., New Delhi.
- Rahayu, A.M., 1989, *Kemampuan Escherichia coli Koleksi Laboratorium Mikrobiologi Fakultas Kedokteran Umum UGM dalam Memfermentasikan Benzilpenisilin*, Skripsi, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Sakaguchi, K., and Murao, S., 1950, *J. Agric. Chem. Soc. Japan*, 23, 411, (Chem. Abs., 1951, 45, 1197).
- Sambrook, J., Fritsch, E.F. and Maniatis, T., 1989, *Molecular Cloning a Laboratory Manual*, 2<sup>nd</sup> Ed., 1.3-1.28, Cold Spring Harbor Laboratory Press, New York.
- Sardjoko, 1990, *Bioteknologi, Latar Belakang dan Penerapannya*, 2, 41-44, 52, Gramedia pustaka utama, Jakarta.
- Shaikh, K., Talati, P.G. and Gang, D.M., 1973, *Antimicrob. Ag. Chemother.*, 3, 194.
- Smith, H.W., 1977, *Antibiotic Resistance Bacteria and Associated Problems in Farm Animals Before and After the 1969 Swann Report*, in Woodbine, M., (Ed.), *Antibiotics and Antibiosis in Agriculture*, 347, Butterworths, London.
- Sudjadi, 1992, *Pengendalian Transkripsi*, 4-33, PAU Bioteknologi UGM, Yogyakarta.
- Valle, F., Balbas, P., Merino, E. and Bolivar, F., 1991, *The Role of Penicillin Amidase in Nature and in Industry*, *TIBS.*, 16, 36-40, Elsevier Science Publishers Ltd.
- Watson, J.D., Tooze, J. and Kurtz, D.t., 1988, *DNA Rekombinan, Suatu Pelajaran Singkat*, Diterjemahkan oleh Wisnu Gunarso, 29-32, 38-40, 53-58, Erlangga, Jakarta.
- Weinstein, M.J. and Wagman, G.H., 1978, *Antibiotics Isolation, Separation and Purification*, *Journal of Chromatography Library*, vol. 15, 397-400, 403, Elsevier Scientific Publishing Company, Oxford.
- Wibowo, L.T., 1990, *Pengaruh Penambahan Asam Fenilasetat Terhadap Kemampuan Escherichia coli dalam mengubah benzilpenisilin menjadi Asam 6-aminopenisilanat*, Skripsi, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.