DAFTAR PUSTAKA

Acharya, T. 2013.*Triple Sugar Iron Agar (TSI): Principle, Procedure and Interpretation*. https://microbeonline.com/triple-sugar-iron-agar-tsi-principle-procedure-and-interpretation/ (Diakses 28 April 2019 Pukul 22.00 WIB)

Acharya, T. 2016. Carbohydrate *Fermentation Test: Uses, Principle, Procedure and Results*.https://microbeonline.com/carbohydrate-fermentation-test-uses-principle-procedure-results/ (Diakses6 Februari 2019 pukul 20.37 WIB)

Agate, A.D. 1993. Salt Tolerant Bacteria from the Rhizosphere of Mangrove Plants.In: *Towards the Rational Use of High Salinity Tolerant Plants: Tasks for Vegetation Science. Volume 27.* Lieth H. and Al Masoom, A.A. (eds). Springer. Dordrecht, pp. 163-166

Alpelblat, A. 2014. *Citric Acid.* Springer. Springer. Cham, p. 13

Aneja, K. R. 2005. *Experiments in Microbiology, Plant Pathology and Biotechnology. 4th edition Reprint.* New Age International (P) Limited, Publishers. New Delhi, pp. 246-378

Anitha, A., Anitha, S., and Rajendran, L. 2014. A Kinetic Model for Amperometric Biosensor at Mixed Oxidase Enzyme. *International Journal of Electrochemical Science*. 9(2): 990-1002

Bachruddin, Z. 2014. *Teknologi Fermentasi pada Industri Peternakan*. Gadjah Mada University Press. Yogyakarta, hal: 115

Bamforth, C. W. 2005. *Food, Fermentation, and Microorganism*. Blackwell Science. Oxford, pp. 66

Benget, V. V. 2019. *Aktivitas dan Karakterisasi Molekuler Bakteri Rhizosfer Tumbuhan Bakau (*Rhizopora *sp.*) *Perombak Hidrokarbon Minyak*

Bumi di Kulon Progo, Daerah Istimewa Yogyakarta. Tesis. Universitas Gadjah Mada. Yogyakarta, hal: 1-60

Borowik, A. and Wyszkowska, J. 2016. Impact of Temperature on the Biological Properties of Soil. *International Agrophysics*. 30: 1-8

Breed, R. S., Murray, E. G. D., and Smith, N. R.. 1957. *Bergey's Manual of Determinative Bacteriology. 7th edition*. The Williams and Wilkins Company.Baltimore, Maryland, p. 90-99

Budianto, H. 2008. *Perbaikan Lahan Terkontaminasi Minyak Bumi dengan Cara Bioremediasi*.http://www.iec.co.id/bioremediasi1.html (Diaskes 28 Agustus 2018 Pukul 22.48 WIB)

Cairns, D. 2004. *Intisari Kimia Farmasi. Edisi ke-2*. Penerbit Buku Kedokteran EGC. Jakarta, hal: 175

Chang, R. 2004. *Kimia Dasar: Konsep-Konsep Inti. Edisi ke-3.Jilid 1*.Erlangga. Jakarta,. hal: 332-334

Chaudhuri, U. R. 2011. *Fundamentals of Peroleum and Petrochemical Engineering.Volume 2*.CRC Press. Boca Raton, Florida. p: 4-8

Chebbi, A., Hentati, D., Zaghden, H., Baccar, N., Rezgui, F., Chalbi, M., Sayadi, S., and Chamka, M. 2017 Polycyclic Aromatic Hydrocarbon Degradation and Biosurfactant Production by a Newly Isolated *Pseudomonas* sp. Strain from Used Motor Oil-Contaminated Soil. *International Biodeterioration & Biodegradation*. 122: 128-140

Cheesbrough, M. 2000.*District Laboratory Practice in Tropical Countries Part 2*. Cambridge University Press. Cambridge, pp. 137-164

Clontz, L. 2009. *Microbial Limit and Bioburden Tests: Validation Approaches and Global Requirements. 2nd edition*. CRC Press. Boca Raton, Florida, p. 15

Csuros, M., and Csuros, C. 1999. *Microbiological Examination of Waer and Wastewater*. CRC Press. Boca Raton, Florida, p. 197

Czaban, J, Gajda, A., and Wróblewska, B. 2007. The Motility of Bacteria from Rhizosphere and Different Zones of Winter Wheat Roots. *Polish Journal of Environmental. Studies*. 16(2): 301-308

Dart, R. K. 1996. *Microbiology for the Analytical Chemist*. The Royal Sociey of Chemistry. Cambridge, p. 62

Day, R. A., Jr., dan Underwood, A. L. 2002 *Analisis Kimia Kuantitatif. Edisi ke-6*. Penerbit Erlanggga. Jakarta, hal: 248

Das, N., & Chandran, P. 2011. Microbial Degradation of Petroleum Hydrocarbon Contaminants: An Overview. *Biotechnology Research International*. 2011: 1-13

Dewan Energi Nasional. 2014. *Outlook Energi Indonesia 2014*. Jakarta

Díaz, M. P., Grigson, S. J. W., Peppiatt, C. J., and Burges, J. G. 2000. Isolation and Characterization of Novel Hydrocarbon-Degrading Euryhaline Consortia from Crude Oil and Mangrove Sediments. *Marine Biotechnology.* 2: 522-532

Dunlap, R. A. 2015. *Suisatniable Energy*. Cengage Learning. Stamford, Connecticut, pp. 69-70

Engelkirk, P. G., and Duben-Engelkirk, J. 2008. *Laboratory Diagnosis of Infectious Diseases: Essentials of Diagnostic Microbiology*. Lipponcott Williams and Wilkins. Baltimore, Maryland, pp. 189-199

Ezenobi, N. O. And Okpokwasili, G. C. 2016. Combined Effect of Temperature and pH on *Pseudomonas aeruginosa* Isolated from a Cosmetic Product. *International Journal of Current Research.*8(8): 37124-37130

Fox, M.A. 1999. *Petroleum in Glossary for the Worldwide Transportation of Dangerous Goods and Hazardous Materials*.Springer, Berlin, Heidelberg, pp. 183-187

Giri, C., E. Ochieng, L. L. Tieszen, Z. Zhu, A. Singh, T. Loveland, J. Masek, and N. Duke. 2011. Status and Distribution of Mangrove Forests of the World Using Earth Observation Satellite Data. *Global Ecology and Biogeography*.20*(*1): 154-159.

Gofar, N.2012. Aplikasi Isolat Bakteri Hidrokarbonoklastik asal Rizosfer Mangrove pada Tanah Tercemar Minyak Bumi. *Jurnal Lahan Suboptimal*, 1(2): 123-129

Gunawan, A. P. 2017. *Tujuh Tipe Akar Mangrove yang Wajib Anda Ketahui*.http://mangrovemagz.com/2017/03/03/tujuh-tipe-akar-mangrove-yang-wajib-anda-ketahui/ (Diakses 29 Oktober 2018 pukul 13.30 WIB)

Guo, M., Gong, Z., Miao, R.,Rookes J., Cahill., D., and Zhuang, J. 2017. Microbial Mechanism Controlling the Rhizosphere Effect of Ryegrass on Degradation pf Polycyclic Aromatic Hydrocarbons in an Aged-Contaminated Agricultural Soil. *Soil Biology and Biochemistry*.113: 130-142

Guo, M., Gong, Z., Miao, R.,Rookes J., Cahill., D., and Zhuang, J. 2018. Enhanced Polycyclic Aromatic Hydrocarbons Degradation in Rhizosphere Soil Planted with Tall Fesque: Bacterial Community and Functional Gene Expression Mechanism. *Chemospehe*. 212: 15-23

Hafeez, S. And Aslanzzadeh, J. 2018. Biochemical Pro File-Bases Microbial Identification Systems. *Advanced Techniques in Diagnostic Microbiology. 3rd edition. Volume 1: Techniques.* Tang, Y. And Stratton, C. W. (eds). Springer. Cham, pp. 33-68

Harisha, S. 2006. *An Introduction toPractical Biotechnology: A Handbook on Practical Biotechnology*. Laxmi Publications (P) Ltd. New Delhi, p. 200

Handayanto, E., Nuraini, Y., Muddarisna, N., Syam, N., dan Fiqri, A. .2017. *Fitoremediasi dan* Phytomining *Logam Berat Pencemar Tanah.* UB Press. Malang, hal: 32

Handrianto, P. 2011. *Pencemaran Minyak Bumi (*Crude Oil*)* .http://sainsjournal-fst11.web.unair.ac.id/artikel_detail-38716PENCEMARAN%20LINGKUNGANPencemaran%20minyak%20bumi%20(crude%20oil).html (Diakses 14 Juli 2019 pukul 23.19 WIB)

Hatmanti. 2000. Pengenalan *Bacillus* spp. *Oceana*. 25(1): 31-41

Hawkes, C. V., DeAngelis, K. M., and Firestone, M. K. 2007. Root Interaction with Soil Microbial Communities. In: *Rhizosphere: An Ecological Perspective*. Cardon, Z. G., and Whitbeck, J. L. (eds). Elsevier. Massachusettts, California., pp. 1-30

Helmy, Q. and Kardena, E. 2015. Petroleum Oil and Gas Industry Waste Treatment Common Practice in Indonesia. *Journal of Petroleum and Environmental Biotechnology*.6 (5): 1-7

Jiang, S., H. Lu, Q. Zhang, J. C. Liu, and C. Yan. 2016. Effect of Enhanced Reactive Nitrogen Availability on Plant-Sediment Mediated Degradation of Polycyclic Aromatic Hydrocarbons in Contaminated Mangrove Sediment. *Marine Pollution Bulletin,* 103(1-2):151-158.

Kehrer, J. P.,.Robertson, J. D., and Smith, J. D.2010. Free Radicals and Reactive Oxygen Species. *Comprehensive Toxicology.. 2nd edition. Volume 1.* McQueen, C. A. (ed).Elsevier. Massachusetts, pp. 277-307

Kokare, C. R. 2008. *Pharmaceutical Microbiology: Principles and Application. 6th eition.* Nirali Prakashan. Pune, p. 7.7

Komarawidjaja. 2009. Karakteristik dan Pertumbuhan Konsorsium Mikroba Lokal dalam Media Mengandung Minyak Bumi. *Jurnal Teknik Lingkungan*, 10(1): 114-119.

Koo, B. J, Adriano, D. C., Bolan, N. S., and Barton, C.D. 2005. Root Exudates and Microorganism. In: .*Encyclopedia of Soil in the Environment*. Hille, D., Hatfield, J. L., Powlson, D. S., Rosenzweig, C., Scow, K. M., Singer, M. J., and Sparks, D. L. (eds). Elsevier. Massachusettts, California, pp. 421-428

Kumari, D., Qian, X., Pan, X., Achal, V., Li, Q., and Gadd, M. 2016. Microbially-induced Carbonate Precipitation for Immobilization of Toxic Metals. In: *Advances in Applied Microbiology. Volume 94*. Sariaslani, S and Gadd, G. M (eds). Academic Press. Massachusetts, pp. 215-236

Lagos, L, F. Maruyama, F., P. Nannipieri, P., M.L. Mora, M. L., A. Ogram, A., and Jorquera, M. A. 2015. Current Overview on the Study of Bacteria in the Rhizosphere by Modern Molecular Techniques: a Mini–Review. *Journal of Soil Science and Plant Nutrition*. 15(2): 504-523

Li, K, K. 2005. Fermentation: Principles and Microoranisms. In:*Handbook of Food and Beverage Fermentation Technology*. Hui, Y. H., Meunier_Goddik, L., Hansen, Å, S., Josephsen, J., Nip, W., Stanfield, P. S., and Toldrá, F (eds). Marcel Dekker, Inc. New York, pp 685-701

Mahon, C. R., Lehman, D. C., and Manuselis, G. 2015. *Textbook of Diagnostic Microbiology. 5th edition*. Saunders. Missouri, pp. 185-186

Mazzei, L., Ciurli, S., and Zambelli, B. 2016. Isothermal Titration Calorimetry to Characterize Enzymatic Reactions. *Methods in Enzymology. Volume 567*. Hochstrasser, M (ed). Academic Press. Massachusetts, pp. 215-236

McMillan, J. D. 1993. *Xylose Fermentation to Ethanol: A Review*. National Renewable Energy Laboratory. Colorado, pp. 3-4

Murray, B. 2015. *Waste in the Petroleum Industry*. http://sites.psu.edu/bmurray/2015/10/07/waste-in-the-petroleum-industry/ (Diakses 30 Agustus 2018 pukul 18.31)

Nahdi, M. S. and A. P. Kurniawan.2013. Vegetation Species Abundance in Mangrove Ecosustem of Pasir Mendit at Bogowonto Lagoon, Kulon Progo, Yogyakarta. *Journal of Biological Researches*, 19(1): 32-37

Nihorimbere, V., Ongena, M., Smargiassi, M., and Thonart, P. 2011. Beneficial Effect of the Rhizosphere Microbial Community for Plant Growth and Health.*Biotechnology, Agronomy, Society, and Environment.*15(2): 327-337

Nwinyi, O. C., Ajayi, O. O., and Amund, O. O. 2016. Degradation of Polynuclear Aromatic Hydrocarbons by Two Strains of *Pseudomonas*. *Brazilian Journal of Microbiology*. 47: 551-562

Nugroho, E. D. & Rahayu, D. A. .2017. *Pengantar Bioteknologi (Teori dan Aplikasi).* Deepublish. Yogyakarta, hal: 243

Nursulistyarini, F. Dan Ainy, E. Q. 2014. Isolasi dan Identifikasi Bakteri Endofit Penghasil Antibakteridari Daun Tanaman Binahong ((*Anredera cordifolia* (Ten.) *Steenis*). *Proceeding Biology Education Conference*. 11(1): 114-120

Olah, G. A., Molnár, Á.,& Prakash, G. K. S. 2018. *Hydrocarbon Chemistry.3rd edition.Volume 1.*John Wiley & Sons. Hoboken, New Jersey, p. 1

Parija, S. C. 2009. *Textbook of Microbiology and Immunology*. Reed Elsevier India Pvt, Ltd. Hayana, p. 46

Palego, L., Betti, L., Rossi, A., and Giannaccini, G. 2016. Tryptophan Biochemistry: Structural, Nutritional,Metabolic, and Medical Aspects in Humans. *Journal of Amino Acid*. 2016 (8952520): 1-13

Palop, A. and Martínez, A. 2006. pH-Assisted Thermal Processing. In:*Thermal Food Processing: New Technologies and Quality Issues.* Sun, D (ed). Taylor and Francis. Boca Raton, Florida, pp. 567-596

Patil U., and Muskan, K. 2009. *Essential of Biotechnology*. IK International Publishing House, Pvt, Ltd. New Delhi, pp. 363-364

Pietikäinen, J., Pettersson, M., and Bååth, E. 2005. Comparison of Temperature Effects on Soil Respiration and Bacterial and Fungal Growth Rates. *FEMS Microbiology Ecology*. 52: 49-58

Pikoli, M. R., Aditiawati, P., tuti, D. I.2000. Isolasi Bertahap dan Identifikasi Isolat Bakteri Termofilik Pendegradasi Minyak Bumi dari Sumur Bangko. *Proseding ITB*, 32(2), 53-58.

Phillipot, L. and Germon, J. C. 2005. Contribution of Bacteria to Initial Input and Cycling of Nitrogen in Soils. In: *Microorganism in Soils: Roles in Genes and Function.* Buscot, F., and Varma, A. (eds). Springer-Verlag. Berlin, pp. 159-176

Pickett, M. J, Greenwood, J. R., and Harvey, S. M. 1991. Tests for Detecting Degradation of Gelatin: Comparison of Five Methods. *Journal of Clinical Microbiology*. 29 (10): 2322-2325

Planet, P. J. 2018.*Pseudomona aeruginosa.* In:*Principles and Practice of Pediatric Infectious Disease. 5th edition.* Long, S. S., Prober, C. G., and Fischer, M (eds). Elsevier, Inc. St. Lois, Missouri, pp. 866-870

Poerwono, H., Higashiyama, K., Kubo, H., Poernomo, A. T., Sudiana, I. K., Indrayanto, G., and Brittain, H. G. 2001. Citric Acid. In: *Analytical Profiles of Drug Substances and Excipients. Volume 28*. Brittain, H. G. (ed). Elsevier. Massachusettts, p. 1-76

Pommerville, J. C. 2007. *Alcamo's Laboratory Fundamentals of Microbiology. 8th edtion*. Jones and Bartlett Publishers.Sudbury, Massachusetts, pp. 49-55, 154

Pupin, B., and Nahas, E. 2013. Microbial Populations and Activities of Mangrove, Restinga and Atlantic Forest Soils from Cardoso Island, Brazil. *Journal of Applied Microbiology*, 116: 851-864.

Rahim, S. dan D. W. K. Baderan.2017. *Hutan Mangrove dan Pemanfaatnny*a.Deepublish. Yogyakarta, hal: 39-42

Ramesh, C. K., Gupta, R., and Singh, A. 2011. Microbial Cellulases and Their Industrial Applications. *Enzyme Research*. 2011: 1-10

Riyanto.2013. *Limbah Bahan Berbahaya dan Beracun (Limbah B3).*Deepublish. Yogyakarta, hal: 84-85

Rodarte, M. P, Dias, D. R., Vilela, D. M., and Schwan, R. F. 2011. Proteolytic activities of bacteria, yeasts and filamentous fungi isolated from coffee fruit (*Coffea arabica* L.) *Acta Scientiarum Agronomy*. 33 (3): 457-464

Ross L. F. and Shaffer, G. P. 1989. Fermentation of Carbohydrates Under Aerobic and Anaerobic Conditions by Intestinal Microflora from Infants. *Journal of Clinical Microbiolology*. 27(11): 2529-2534.

Sabnis, R. W. 2010. *Handbook of Biological Dyes and Stains: Synthesis and Industrial Applications.* John Wiley and Sons, Inc. New Jersey, pp. 46, 293

Saenger, P. 2002. *Mangrove Ecology, Silviculture and Conservation*.Springer Science + Business Media. Dordrecht, p. 1

Sari, M. A. 2019. *Perombakan Hidrokarbon Bakteri Rizosfer Tanaman Ilalang (*Imperata cylindrica L.) *dari Tambang Minyak Bumi Wonocolo, Bojonegoro, Jawa Timur*. Tesis. Universitas Gadjah Mada. Yogyakarta, hal: 1-81

Setyawan, A. D., Winarno, K., dan Purnama, P. C. 2003. Review: Ekosistem Mangrove di Jawa: 1. Kondisi Terkini. *Biodiversitas*. 4(2): 130 – 142

Sharma, I., and Ahmad, P. 2014 Catalase: A Versatile Antioxidant in Plants. In: *Oxidative Damage to Plants.* Ahmad, P. (ed). Academic Press. Burlington, Massachusetts, pp. 131- 148

Sierra-Garcia, I. N. And de Oliveira, V. M J. 2013.Microbial Hydrocarbon Degradation: Efforts to Understand Biodegradation in Petroleum Reservoirs. In: *Biodegradation: Engineering and Technology*. Chamy, R (ed). IntechOpen (Ltd). London, pp: 47-71

Sims, G. K. 1990. Biological Degradation of Soil. In: *Advances in Soil Science. Volume 11: Soil Degradation.* Lal, R. And Stewart, B. A (eds). Springer-Verlag. New York, pp. 289-330

Singh, A. and O. P. Ward. 2004. Biotechnology and Bioremediation: An Overview. In: *Biodegradation and Bioremediation.* Singh, A and O.P Ward (eds). Springer-Verlag. Heidelberg, pp: 1-11

Sneath, P. H. A.. 1972. Computer Taxonomy. In: *Methods in Microbiology*. Singh, A and O.P Ward (eds). Academic Press. London, pp: 29-98

Søltoft-Jensen, J. and Hansen, F. 2005. New Chemical and Biochemical Hurdles. In: *Emerging Technologies for Food Processing*. Sun, D. (ed). Academic Press. Massachusettts, p. 387-416

Sørensen, J. and Nybroe, O. 2004. *Pseudomonas* in the Soil Environment.In: Pseudomonas. *Volume 1: Genomics, Life Style, and Molecular Architecture.* Ramos, J (ed). Kluwer Academic. New York, pp. 369-402

Speight, J. G. 2011. *Handbook of Industrial Hydrocarbon Processes.*Elsevier. Oxford. p. 325

Staf Pengajar Departemen Farmakologi Fakultas Kedokteran Universitas Sriwijaya. 2009. *Kumpulan Kuliah Farmakologi. Edisi ke-2.* Penerbit Buku Kedokteran EGC. Jakarta, hal: 174

Sullivan, T. S., 2017. *Soil Acidity Impacts Benefical Soil Microorganism: Soil Acidification Series*. http://pubs.cahnrs.wsu.edu/publications/wp-content/uploads/sites/2/publications/FS247E.pdf (Diakses 6 Juni 2019 Pukul 17.41 WITA

Sumbali, G. and Mehrota, R. S. 2009. *Principles of Microbiology*. Tata McGraw-Hill Education, Pvt. Ltd. New Delhi, pp. 50-54, 84-88, 105

Sumbono, A, 2015. *Biokimia Pangan Dasar*. Penerbit Deepublish. Yogyakarta, hal: 46-52

Sutter, V. L. 1968. Identification of *Pseudomonas* Species Isolated from Hospital Environemnt and Human Source.*Apllied Microbiology*. 16 (10): 1532-1538

Tabujew, I. And Pevena, K.. 2015. Functionalization of Cationic Polymers for Drug Delivery Application. In: *RCS Polymer Chemistry Series: Cationic Polymers in Regenerative Medicine*. Samal, S. K. And Dubruel, P (eds). Royal Society of Chemistry. Cambridge, pp. 1-29

Tighe, M. M., and Brown, M. 2015. *Mosby's Comprehensive Review for Vterinary Technicians.* Elsevier Mosby. St. Louis, Missouri, p. 126

Tille, P. M. 2017. *Bailey and Scott's Diagnostic Microbiology. 14th edition.* Elsevier, Inc. St. Lois, Missouri, pp. 227

Turkovskaya, O. And Muratova, A. 2019. Plant–Bacterial Degradation of Polyaromatic Hydrocarbons in the Rhizosphere. *Trends in Biotechnology*. 20(20): 1-4

Van Agteren, M. H., S. Keuning, and D. B. Janseen. 1998. *Handbook on Biodegradation and Biological Treatment of Hazardous Organic Compounds. Volume 2.*Kluwer Academic Publisher. Dordrecht, pp. 4-8

Van Meter, K. C. and Hubert, R. J. 2016. *Microbiology for the Healthcare Professional*. Elsevier, Inc. St Louis, Missouri, pp. 179-180

Vasanthakumari, R. 2009.*Practical Microbiology*. BI Publication, Pvt, Ltd. New Delhi, pp. 47-52

Verma, A. S., Das, S., Singh, A. 2014. *Laboratory Manual for Biotechnology*. S. Chand and Company, Pvt, Ltd. New Delhi, pp. 185-186

Wetmore, P. W. And Gochenour, W. S., Jr. 1955. Comparative Studies of the Genus *Malleomyces* and Selected *Pseudomonas* Species. *Journal of Bacteriology*. 72 (1): 79-89

Wilson, M. 2005. *Microbial Inhabitants of Humans: Their Ecology and Role in Health and. Disease.* Cambridge University Press. Cambridge, p. 414

Whitbeck, J. L. and Cardon, Z. G. 2007.Introduction.In: *Rhizosphere: An Ecological Perspective*. Cardon, Z. G., and Whitbeck, J. L. (eds). Elsevier. Massachusettts, California. pp. xv - xx

Zugenmaier, P., 2008. *Crystalline Cellulosa and Derivatives*. Springer-Verlag. Berlin, p. 7