

DAFTAR PUSTAKA

- Abdel-Raouf, N., A.A. Al-Homaidan & I.B.M. Ibraheem. 2012. Microalgae and wastewater treatment. *Saudi Journal of Biological Sciences*. 19: 257-275.
- Abou-Shanab, R.A.I., I.A. Matter, S. Kim, Y. Oh, J. Choi & B. Jeon. 2011. Characterization and identification of lipid-producing microalgae species isolated from freshwater lake. *Biomass and Bioenergy* 35: 3079-3085.
- Amin, S. A., D. H. Green, M. C. Hart, F. C. Küpper, W. G. Sunda & C. J. Carrano 2009. Photolysis of iron-siderophore chelates promotes bacterial-algal mutualism. *Proceedings of the National Academy of Sciences of the United States of America*. 106: 17071-17076.
- Anonim. 2016. LIPSUS: Sampah dari Kota Yogya Terbesar Masuk Piyungan. Harian Tribun Jogja 7 Februari 2016. Diakses pada tanggal 29 Agustus 2016. Tersedia: <http://jogja.tribunnews.com/2016/02/07/lipsus-sampah-dari-kota-yogya-terbesar-masuk-piyungan>.
- Balat, M. 2009. Bioethanol as a vehicular fuel: a critical review. *Energy Sources Part A*. 31: 1242-1255.
- Barlow, R., M. Kyewalyanga & H. Sessions. Phytoplankton pigments, functional types, and absorption properties in Delagoa and Natal Bights of the Agulhas ecosystems. *Estuarine, Coastal and Shelf Science*. 80: 201-211.
- Bellinger, B.J., A.S. Abdullahi, M.R. Gretz & G.J.C. Underwood. 2005. Biofilm polymers: relationship between carbohydrate biopolymers from estuarine mudflats and unialgal cultures of benthic diatoms. *Aquatic Microbial Ecology*. 38: 169-180.
- Bellinger, E.G & D.C. Sigeo. 2010. *Freshwater Algae: Identification and Use as Bioindicators*. John Wiley & Sons.
- Biggs, B.J.F & C. Kilroy. 2000. *Stream Periphyton Monitoring Manual*. NIWA. Christchurch. P: 52-53.
- Bischoff, H. W. & H. C. Bold. 1963. *Phycological Studies IV. Some Soil Algae From Enchanted Rock and Related Algal Species*, Austin, University of Texas.
- Bligh, E. G. & W. J. Dyer 1959. A rapid method of total lipid extraction and purification. *Canadian Journal of Biochemistry and Physiology*. 37: 911-917.
- Bold, H. C. 1949. The Morphology of *Chlamydomonas chlamydogama*, Sp. Nov. *Bulletin of the Torrey Botanical Club*. 76: 101-108.
- Borowitzka, M. A. & L. J. Borowitzka. 1988. *Microalgae Biotechnology*. Cambridge University Press. New York.
- Borowitzka, M.A. 2013. High-value products from microalgae – their development and commercialisation. *Journal of Applied Phycology*. 25 (3): 743-756.

- Brennan, L., & Owende, P., 2010. Biofuels from microalgae – review of technologies for production, processing, and extractions of biofuels and co-products. *Renewable Sustainable Energy Rev.* 14: 557-577.
- Bura, R., M. Cheung & B. Liao. 1998. Composition of extracellular polymeric substances in the activated sludge floc matrix. *Water Science Technology.* 37: 325-333.
- Cardozo, K.H.M., T. Guaratini, M.P. Barros, V.R. Falcao, A.P. Tonon, N.P. Lopes, S. Campos, M.A. Torres, A.O. Souza, P. Colepicolo & E. Pinto. 2007. Metabolites from algae with economical impact. *Comparative Biochemistry and Physiology. Part C: Toxicology and Pharmacology.* 146 (1-2): 60-78.
- Chen, C.Y., X.Q. Zhao, H.W. Yen, S.S. Ho, C.L. Cheng, D.J. Lee, F.W. Bai & J.S. Chang. 2013. Microalgae-based carbohydrates for biofuel production. *Biochemical Engineering Journal.* 78: 1-10.
- Chisti, Y. 2007. Biodiesel from microalgae. *Biotechnology Advances.* 25: 294-306.
- Christensen, T.H. & P. Kjeldsen. 1989. Basic biochemical processes in landfills, Chapter 2.1 in Sanitary Landfilling: Process, Technology and Environmental Impact, Christensen, T.H., Cossu, R and Stegmann, R., Eds., *Academic Press.* London, UK. P:29.
- Christensen, T.H., R. C. Stegmann & R. Stegmann. 1992. Landfill leachate: an introduction in landfilling of waste: leachate. *Elsevier* : 3-14.
- Christenson, L. & R. Sims. 2012. Rotating algal biofilm reactor and spool harvester for wastewater treatment with biofuels by-products. *Biotechnology Bioengineering.* 109 (7): 1647-1684.
- Cobelas, M.A. & J.Z. Lechado. 1989. Lipids in microalgae: A review. I. Biochemistry. *Grasas y Aceites.* 40: 118-145.
- Croft, M. T., A. D. Lawrence, E. Raux-Deery, M. J. Warren & A. G. Smith. 2005. Algae acquire vitamin B12 through a symbiotic relationship with bacteria. *Nature.* 438: 90-93.
- Dalu T., T Bere., N.B. Richoux & P.W. Froneman. 2015. Assessment of the spatial and temporal variations in periphyton communities along a small temperate river system: A multimetric and stable isotope analysis approach. *South African Journal of Botany.* 100: 203-212.
- Dere, S., G. Tohit & S. Ridvan. 1998. Spectrophotometric determination of chlorophyll-a, b, and total carotenoid contents of some algae species using different solvent. *Journal of Botany.* 22: 13-17.
- De Bashan, L.E., H. Anton & Y. Bashan. 2008. Involvement of indole-3-acetic acid produced by the growth-promoting bacterium *Azospirillum* spp. in promoting growth of *Chlorella vulgaris*. *Journal of Phycology.* 44: 938-947.
- De la Noüe, J. & N. De Pauw. 1988. The potential of microalgal biotechnology. A review of production and uses of microalgae. *Biotechnology Advances.* 6: 725-770.

- Di Pippo, F., N. Tomas, W. Ellwood, A. Guzzon, L. Siliato, E. Micheletti, R. De Philippis & P.B. Albertano. 2012. Effect of light and temperatur on biomass, photosynthesis and capsular polysaccharides in cultured phototrophic biofilms. *Journal of Applied Phycology*. 24: 211-220.
- Droppo, I.G., N. Ross & M. Skafel. 2007. Biostabilisation of cohesive sediment beds in a freshwater wave-dominated environment. *Limnology and Oceanography*. 52: 577–589.
- Dubois, M., K. A. Gilles, J. K. Hamilton, P. A. Rebers & F. Smith. 1956. Colorimetric method for determination of sugars and related substances. *Analytical Chemistry*. 28: 350-356.
- Edmundson, S.J. & A.C. Wilkie. 2013. Landfill leachate - a water and nutrient resource for algae-based biofuels. *Environmental Technology*, 34 (13-14): 1849-1857.
- Falkowski, P.G. & J.A. Raven 1997. *Aquatic Photosynthesis*. Malden, MA. Blackwell Science. USA.
- Fang, F., W. Lu, Q. Shan & J. Chao. 2014. Characteristics of extracellular polymeric substances of phototrophic biofilms at different aquatic habitats. *Carbohydrate Polymers*. 106: 1-6.
- Fletcher, M. & G. D. Floodgate. 1973. An electron-microscopic demonstration of an acidic polysaccharide involved in the adhesion of a marine bacterium to solid surface. *Journal of General Microbiology*. 74: 325-334.
- Foy, R.H., C.E. Gibson & R.V. Smith. 2007. The influence of daylength, light intensity and temperature on the growth rates of planktonic blue-green algae. *British Phycological Journal*. 11 (2): 151-163.
- Fukao, T., K. Kimoto, & Y. Kotani. 2012. Effect of temperature on cell growth and production of transparent exopolymer particles by the diatom *Coscinodiscus granii* isolated from marine mucilage. *Journal of Applied Phycology*. 24: 181-186.
- Fukuda, H., A. Kondo & H. Noda. 2001. Biodiesel fuel production by transesterification of oils. *Journal of Bioscience and Bioengineering*. 92: 405–416.
- Gainswin, B.E., W.A. House & B.S. Leadbeater. 2006. The effects of sediment size fraction and associated biofilms on the kinetics of phosphorus release. *Science of the Total Environment*. 360: 142–157.
- Gaiser, E. 2009. Perifiton as an indicator of restoration in the Florida Everglades. *Ecological Indicators*. 9: 537-545.
- Galova, E., I. Salgovicova, V. Demko, K. Mikulova, A. Sevcovivova, L. Slovakova, V. Kysela & J. Hudak. 2008. A short overview of chlorophyll biosynthesis in algae. *Biologia*. 63: 947-951.
- Garcia-Meza, J.V., C. Barrangue & W. Admiraal. 2005. Biofilm formation by algae as a mechanism for surviving on mine tailings. *Environmental Toxicology and Chemistry*. 24 (3): 573-581.

- Gliwicz, Z. M. 2002. On the different nature of top-down and bottom-up effects in pelagic food webs. *Freshwater Biology*. 47: 2296-2312.
- Gram, L., H. P. Grossart, A. Schlingloff & T. Kiorboe. 2002. Possible quorum sensing in marine snow bacteria: production of acylated homoserine lactones by *Roseobacter* strains isolated from marine snow. *Applied Environmental Microbiology*. 68: 4111-4116.
- Guiry, M.D. in Guiry, M.D. and G.M. Guiry. 2016. *Algaebase*. World-wide electronic publication, National University of Ireland, Galway. <http://www.algaebase.org>; searched on 23 August 2016.
- Guschina, I. & J. Harwood 2009. Algal lipids and effect of the environment on their biochemistry. In: Kainz, M., Brett, M. T. & Arts, M. T. (eds.) *Lipids in Aquatic Ecosystems*. Springer New York.
- Graham, L.E. & Wilcox, L.W. 2000. *Algae*. Upper Saddle River. Prentice Hall. NJ.
- Graham, J. M., P. Arancibia-Aviles, & L.E. Graham. 1996. Physiological ecology of a species of the filamentous green alga *Mougeotia* under acid conditions: light and temperature effects on photosynthesis and respiration. *Limnology and Oceanography*. 41: 253-262.
- Gray, D. 2013. *Inventory and Monitoring Toolbox: Freshwater Ecology*. Departement of Conservation.
- Harun, R., Singh, M., Forde, G.M. & Danquah, M.K., 2010. Bioprocess engineering of microalgae to produce a variety of consumer products. *Renewable Sustainable Energy Rev.* 14, 1037-1047.
- He, Z., J. Kan, F. Mansfeld, L.T. Angenent & K.H. Nealon. 2009. Self-sustained phototrophic microbial fuel cells based on the synergistic cooperation between photosynthetic microorganisms and heterotrophic bacteria. *Environmental Science and Technology*. 43: 1648-1654.
- Helliwell, K.E., G.L. Wheeler & A.G. Smith. 2013. Widespread decay of vitamin-related pathways: coincidence or consequence? *Trends in Genetics*. 29: 469-478.
- Henriquez, V., C. Escobar, J. Galarza & J. Gimpel. 2016. Carotenoids in microalgae. *Subcellular Biochemistry*. 79: 219-237.
- Herve, V., J. Derr, S. Douady, M. Quinet, L. Moisan & P.J. Lopez. 2012. Multiparametric analyses reveal the pH-dependence of silicon biomineralization in diatoms. *PLoS ONE*. 7: e46722.
- Higuera-Ciapara, I., L. Feliz-Valenzuela & F. M. Goycoolea. 2006. Astaxanthin: a review of its chemistry and applications. *Critical Review in Food Science and Nutrition*. 46 (2): 185-196.
- Hoagland, K.D., S.C. Roemer & J.R. Rosowski. 1982. Colonization and community structure of two periphyton assemblages, with emphasis on the diatoms (Bacillariophyceae). *American Journal of Botany*. 69 (2): 188-213.

- Ho, S.H., C.Y. Chen, D.J. Lee & J.S. Chang. 2011. Perspectives on microalgal CO₂-emission mitigation systems - a review. *Biotechnology Advances*. 29: 189-198.
- Horobin, R. W. 1988. *Understanding Histochemistry: Selection, Evaluation and Design of Biological Stains*. Chichester. England, Pp: 172.
- Horne, A.J. & C.R. Goldman. 1994. *Limnology*. 2nd ed. McGraw-Hill, Inc. New York.
- Hu, Q., M. Sommerfeld, E. Jarvis, M. Ghirardi, M. Posewitz, M. Seibert & A. Darzins. 2008. Microalgal triacylglycerols as feedstocks for biofuel production: perspectives and advances. *The Plant Journal*. 54: 621-639.
- Iaconi, C.D., R. Ramadori & A. Lopez. 2006. Combined biological and chemical degradation for treating a mature municipal landfill leachate. *Journal of Biochemical Engineering*. 31: 118-124.
- Jakob, G., 2013. Surveying a diverse pool of microalgae as a bioresource for future biotechnological applications. *Journal of Petrology and. Environmental Biotechnology*. 04.
- John, D.M., B.A. Whitton, & A.J. Brook. 2002. *The Freshwater Algal Flora of the British Isles*. Cambridge University Press. Cambridge, UK.
- Kamila, A.D. 2014. Korelasi diversitas dan densitas fitoplankton terhadap konsentrasi nutrisi dan kadmium di kolam pengolahan lindi TPST Piyungan, Bantul, Daerah Istimewa Yogyakarta. *Skripsi*. Fakultas Biologi UGM. Hal: 1-41.
- Kazamia, E., D. C. Aldridge & A. G. Smith 2012. Synthetic ecology - A way forward for sustainable algal biofuel production? *Journal of Biotechnology*. 162: 163-169.
- Keshtacher-Liebson, E., Y. Hadar & Y. Chen 1995. Oligotrophic bacteria enhance algal growth under iron-deficient conditions. *Applied of Environmental Microbiology*. 61: 2439-2441.
- Khatoon, H., F. Yusoff, S. Banerjee, M. Shariff & J.S. Bujang. 2007. Formation of periphyton biofilm and subsequent biofouling on different substrates in nutrient enriched brackishwater shrimp ponds. *Aquaculture*. 273: 470-477.
- Kim, S. K. 2015. *Handbook of Marine Microalgae : Biotechnology Advances*. Elsevier Inc. USA. Pp: 43-45.
- Kjeldsen, P., M.A. Barlaz, A.P. Rooker, A. Baun, A. Ledin & T.H. Christensen. 2002. Present and long-term composition of MSW landfill leachate: a review. *Critical Revolutionary Environmental Science and Technology*. 32:297–336.
- Kouzuma, A. & K. Watanabe. 2015. Exploring the potential of algae/bacteria interactions. *Current Opinion in Biotechnology*. 33: 125-129.
- Kumar, K.S., H.D. Dahms, E.J. Won, J.S. Lee & K.H. Shin. 2015. Microalgae - a promising tool for heavy metal remediation. *Ecotoxicology and Environmental Safety*. 113: 329-352.

- Kusuma, A.B. 2016. Keanekaragaman mikroalga di dalam kolam limbah Instalasi Pengelolaan Air Limbah (IPAL) Sewon, Kabupaten Bantul, Daerah Istimewa Yogyakarta. *Skripsi. Fakultas Biologi Universitas Gadjah Mada*. Hal. 1-51.
- Lam, M. K. & K. T. Lee. 2015. Bioethanol Production from Microalgae. In Se-Kwon Kim [Eds.] *Handbook of Marine Microalgae: Biotechnology Advances*. Elsevier Inc. USA. Pp: 197-208.
- Lee, R.E. 2008. *Phycology*. Cambridge University Press. New York.
- Lee, Y.-K. & H. Shen 2004. *Basic Culturing Techniques*. In: Richmond, A. (ed.) *Handbook of Microalgal Culture: Biotechnology and Applied Phycology*. Blackwell Publishing Ltd.
- Li, L., B. Zheng. & L. Liu. 2010. Biomonitoring and bioindicators used for river ecosystems: definitions, approaches and trends. *Procedia Environmental Sciences*. 2: 1510-1524.
- Lin, L., G.Y.S. Chan, B.L. Jiang & C.Y. Lan. 2007. Use of ammoniacal nitrogen tolerant microalgae in landfill leachate treatment. *Waste Management*. 27: 1376-1382.
- Liu, X., S. Duan, A. Li, N. Xu, Z. Cai & Z. Hu. 2009. Effects of organic carbon sources on growth, photosynthesis and respiration of *Phaeodactylum tricornutum*. *Journal of Applied Phycology*. 21: 239-246.
- Lyon, D.R. & S.E. Ziegler. 2009. Carbon cycling within epilithic biofilm communities across a nutrient gradient of headwater streams. *Limnology and Oceanography*. 54: 439-449.
- Mata, T. M., A. A. Martins & N. S. Caetano 2010. Microalgae for biodiesel production and other applications: A review. *Renewable and Sustainable Energy Reviews*. 14: 217-232.
- May, R. M. 1977. Thresholds and breakpoints in ecosystems with a multiplicity of stable states. *Nature*. 269: 471-477.
- Mulders, K. J. M., Y. Weesepeel, P. P. Lamers, J. P. Vincken, D. E. Martens & R. H. Wijffels. 2013. Growth and pigment accumulation in nutrient-depleted *Isochrysis aff. galbana* T-ISO. *Journal of Applied Phycology*. 25: 1421-1430.
- Mutanda, T., Ramesh, D., Karthikeyan, S., Kumari, S., Anandraj, A. & Bux, F., 2011. Bioprospecting for hyperlipid producing microalgal strains for sustainable biofuel production. *Bioresource Technology*. 102, 57-70.
- Napolitano, G. E. 1994. The relationship of lipid with light and chlorophyll measurement in freshwater algae and periphyton. *Journal of Phycology*. 30: 945-950.
- Nordin, N., N. Yusof & S. Samsudin. 2014. Microalgae biomass production and nitrate removal from landfill leachate. *Proceeding of International Conference on Research, Implementation and Education of Mathematics and Sciences*. B: 73-82.

- Norton, T.A., M. Melkonian & R.A. Andersen. 1996. Algal biodiversity. *Phycologia*. 35 (50): 308-326.
- Paliwal, C., T. Ghosh, B. George, I. Pancha, R. Maurya, K. Chokshi, A. Ghosh & S. Mishra. 2016. Microalgal carotenoids: potential nutraceutical compounds with chemotaxonomic importance. *Algal Research*. 15: 24-31.
- Palmer, C.M. 1969. A composite rating of algae tolerating organic pollution. *Journal of Phycology*. 5, 78-82.
- Palmer, C.M. 1974. Algae in american sewage stabilization's ponds. *Revolutionary Microbiology*. 5: 75-80.
- Passow, U. & A. L. Alldredge. 1995. A dye-binding assay for the spectrophotometric measurement of transparent exopolymer particles (TEP). *Limnology and Oceanography*. 40: 1326-1335.
- Pratiwi, I. 2016. Pengaruh intensitas cahaya terhadap pertumbuhan dan kandungan lipid kultur campuran konsorsium mikroalga isolat Glagah dan *Arthrospira maxima* (Setchell *et* Gardner). *Skripsi. Fakultas Biologi Universitas Gadjah Mada*. Hal. 1-56.
- Radakovits, R., R.E. Jinkerson, A. Darzins & M.C. Posewitz. 2010. Genetic engineering of algae for enhanced biofuel production. *Eukaryotic Cell*. 9: 486-501.
- Rendika, F.K. 2015. Volume Sampah Bertumpuk, BLH Kota Yogya Bakal Bangun Bank Sampah. *Harian Tribun Jogja* 5 Agustus 2015. Diakses pada tanggal 29 Agustus 2016. Tersedia: <http://jogja.tribunnews.com/2015/08/05/volume-sampah-bertumpuk-blh-kota-yogya-bakal-bangun-bank-sampah>.
- Renou, S., J.G. Givaudan, S. Poulain, F. Dirassouyan & P. Moulin. 2008. Landfill leachate treatment: review and opportunity. *Journal of Hazard Matter*. 150: 468-493.
- Richmond, A. 2004. Biological Principles of Mass Cultivation. In: Richmond, A. (ed.) *Handbook of Microalgal Culture: Applied Phycology and Biotechnology*. Blackwell Publishing Ltd.
- Ritchie, R.J. 2006. Consistent sets of spectrophotometric chlorophyll equations for acetone, methanol and ethanol solvents. *Photosynthesis Research*. 89: 27-41.
- Ritchie, R.J. 2008. Universal chlorophyll equations for estimating chlorophylls a, b, c and d and total chlorophylls in natural assemblages of photosynthetic organisms using acetone, methanol or ethanol solvents. *Photosynthetica*. 46: 115-126.
- Robarts, R. D. & T. Zohary. 1987. Temperature effects on photosynthetic capacity, respiration, and growth rates of bloom-forming cyanobacteria. *New Zealand Journal of Marine and Freshwater Research*, 21(3): 391-399.
- Robinson, A.H. 2005. Landfill leachate treatment. *Journal of Membrane Technology*. 6- 12.

- Round, F.E., R.M. Crawford, & D.G. Mann. 1990. *The Diatoms - Biology and Morphology of the Genera*. Cambridge University Press. Cambridge, UK.
- Schnurr, P.J. & D.G. Allen. 2015. Factors affecting algae biofilm growth and lipid production: a review. *Renewable and Sustainable Energy Reviews*. 52: 418-429.
- Spolaore, P., C. Joannis-Cassan, E. Duran & A. Isambert. 2006. Commercial applications of microalgae. *Journal of Bioscience and Bioengineering*. 101: 87-96.
- Stengel, D.B., S. Connan & Z.A. Popper. 2011. Algal chemodiversity and bioactivity: sources of natural variability and implications for commercial application. *Biotechnology Advances*. 29: 483-501.
- Stockenreiter, M. 2012. Ecological optimization of biomass and lipid production by microalgae. *Dissertation*, LMU München.
- Subashchandrabose, S.R., B. Ramakrishnan, M. Megharaj, K. Venkateswarlu & R. Naidu. Consortia of cyanobacteria/microalgae and bacteria: biotechnological potential. *Biotechnology Advances*. 29: 896-907.
- Suratna. 2008. Pengaruh mikroba aktif terhadap kualitas pupuk cair dari lindi TPA Piyungan. *Tesis*. Sekolah Pascasarjana Universitas Gadjah Mada Yogyakarta. Hal: 1-2.
- Sutherland, T.F., C.L. Amos, & J. Grant. 1998. The effect of buoyant biofilms on the erodibility of sublittoral sediments of a temperate microtidal estuary. *Limnology and Oceanography*. 43: 225-235.
- Turner, M.A., E.T. Howell & M. Summerby. 1991. Changes in epilithon and epiphyton associated with experimental acidification of a lake to pH 5. *Limnology and Oceanography*. 36 (35): 1390-1405.
- Unnithan, V.V., A. Unc & G.B. Smith. 2014. Mini-review: a priori considerations for bacteria-algae interactions in algal biofuel systems receiving municipal wastewaters. *Algal Research*. 4: 35-40.
- Van der Grinten, E., A.P.H.M. Janssen, K. Mutsert, C. Barranguet & W. Admiraal. 2005. Temperature and light-dependent performance of the cyanobacterium *Leptolyngbya foveolarum* and the diatom *Nitzschia perminuta* in mixed biofilms. *Hydrobiologia*. 548: 267-278.
- Vincent, W.F. 2009. *Cyanobacteria. Protist, Bacteria and Fungi: Planktonic and Attached*. Elsevier, Inc. Canada, Pp: 226-232.
- Ward, H.B. and G.C. Whipple. Edmonson, W.T. (Ed.). 1959. *Fresh-Water Biology*. John Willey and Sons, Inc. USA, pp. 95-189.
- Watanabe, M. F. 1979: Studies of the metalimnetic blue-green alga *Oscillatoria mougeotii* in a eutrophic lake with special reference to its population growth. *Archiv für Hydrobiologie* 86: 66-86.
- Wehr, J.D., R.G. Sheath & J. P. Kociolek. 2015. *Freshwater Algae of North America: Ecology and Classification*. Elsevier, Inc. USA.

Wetzel, R.G. & G.E. Likens. 2000. *Limnological Analyses 3rd Edition*. Springer. New York.

Wustman, B.A., M.R. Gretz & K.D. Hoagland. 1997. Extracellular matrix assembly in diatoms (Bacillariohyceae). I. A model of adhesives based on chemical characterization and localization of polysaccharides from the marine diatom *Achnanthes longipes* and other diatoms. *Plant Physiology*. 113: 1059-1069.

Yusuf, E., Yulianingsih & A. Nursalikhah. 2016. Selama Lebaran Volume Sampah Yogyakarta 300 Ton per Hari. *Harian Republika* 10 Juli 2016. Diakses tanggal 29 Agustus 2016. Tersedia: <http://nasional.republika.co.id/berita/nasional/daerah/16/07/10/oa3bnz366-selama-lebaran-volume-sampah-yogyakarta-300-ton-per-hari>.

Zhao, X., Y. Zhou, S. Huang, D. Qiu, L. Schideman, X. Chai & Y. Zhao. 2014. Characterization of microalgae-bacteria consortium cultured in landfill leachate for carbon fixation and lipid production. *Bioresource Technology*. 156: 322-328.

Zusron, M. 2016. Optimasi medium pertumbuhan kultur mikroalga campuran, modifikasi permukaan serat dan pelapisan silika diatom *Phaeodactylum* sp. pada serat flax *Linun usitatissimum* L. *Skripsi*. Fakultas Biologi Universitas Gadjah Mada. Hal. 1-80.