

DAFTAR PUSTAKA

- Angraini, Sutisna, M. dan Pratama, Y. 2014. Pengolahan Limbah Cair Tahu secara Anaerob menggunakan Sistem Batch. *Jurnal Institut Teknologi Nasional* Vol. 2(1), 1-10.
- APHA. 1997. *Standard Methods for the Examination of Water and Wastewater 20th Ed.* American Public Health Association, American Water Works Association, Water Environment Federation. Washington, DC.
- Badan Standardisasi Nasional. 2009. SNI 6989.72:2009 Cara uji Kebutuhan Oksigen Biokimia (Biochemical Oxygen Demand/BOD).
- Badan Standardisasi Nasional. 2009. SNI 6989.73:2009 Cara Uji Kebutuhan Oksigen Kimiawi (Chemical Oxygen Demand/COD) dengan Refluks Tertutup secara Titrimetri.
- Chen, C.C., Lin, C.Y., and Lin, M.C. 2002. Acid-base enrichment enhances Anaerobic Hydrogen Production Process. *Appl. Microbiology Biotechnology* (58), 224-228.
- Collado, L.S. 1986. Nata: Processing and Problem Of The Industry in the Phillipines in *Proceeding Seminar on Traditional Food And Their Processing in Asia*. November 13-15, 1986. Tokyo, Japan.
- de Castro, Fe, Sumague, J., and de Villa, D. 1994. *How To Produce Nata de Coco*. Manila: Technology and Livelihood Resource Center.
- de Kreuk, M. 2016. *Wastewater Treatment*. Lecture Note Delft University of Technology, Faculty of Civil Engineering and Geosciences, Department of Water Management
- Eckenfelder Jr., W. W. 1989. *Industrial Water Pollution Control 2nd Ed.* Singapore: McGraw-Hill.
- Eckenfelder, W.W., Patoczka, J.B., and Pulliam, G.W. 1988. *Anaerobic Versus Aerobic Treatment in the USA*. New York:Pergamon Press.
- Gerardi, M.H. 2003. *The Microbiology of Anaerobic Digesters*. New Jersey:John Wiley & Sons Inc.
- Hakimi, R. dan Budiman, D. 2006. Aplikasi Produksi Bersih (Cleaner Production) pada Industri Nata De Coco. *Jurnal Teknik Mesin* Vol 3 (2), 90-98.

- Handayani, N.I. dan Sari, I.R.J. 2015. *Teknologi Pengolahan Limbah Cair Industri Tahu Sebagai Sumber Energi dan Mengurangi Pencemaran Air*. Seminar Nasional Pangan Lokal, Bisnis, dan Eko-Industri, 1 Agustus, Semarang.
- Herlambang, A. 2002. *Teknologi Pengolahan Limbah Cair Industri Tahu*. Pusat Pengkajian dan Penerapan Teknologi Lingkungan (BPPT) dan Bapedal Samarinda.
- Hreiz, R., Latifi, M.A., and Roche, N. 2015. Optimal Design and Operation of Activated Sludge Processes: state-of-the-art. *Chemical Engineering Journal* (281), 900-920.
- Iguchi, M., Yamanaka, S. and Budhiono, A. 2000. Bacterial Cellulose A Masterpiece Of Nature's Arts. *Journal of Material Science* (35), 261-270.
- Ika. 2015. 150 Perajin Nata de Coco DIY-Jateng Kumpul di UGM. <http://ugm.ac.id/id/berita/10364-150.Perajin.Nata.de.Coco.DIY-Jateng.Kumpul.di.UGM>. Diakses tanggal 3 September 2016.
- Jagannath, A., Kalaiselvan, A., Manjunatha, S.S., Raju, P.S., Bawa, A.S. 2008. The Effect of pH, Sucrose, and Ammonium Sulphate Concentrations on the Production of Bacterial Cellulose (nata-de-coco) by *Acetobacter xylinum*. *World Journal Microbiology Biotechnology* (24), 2593-2599.
- Lapuz, M.M., Gollardo, E.G., and Palo, M.A. 1967. The Organism and Culture Requirements, Characteristics and Identity. *The Phillipine J. Science* (98), 101-109.
- Lijklema, L. 1969. Factors Affecting pH Change in Alkaline Wastewater Treatment. *Water Research Pergamon Press* Vol. 3, 913-930.
- Lukitawesa. 2014. *Effect of Organic Loading Rate on The Biogas Production of Oil Palm Empty Fruit Bunch in Semi-continuous Anaerobic Digestion*. Yogyakarta: FTP UGM.
- Marais, G.v.R. and Ekama, G.A. 1976. The Activated Sludge Process. Part I - Steady State Behaviour. *Water S.A.* 2(4), 164-200.
- Metcalf dan Eddy. 1991. *Wastewater Engineering Treatment, Disposal, and Reuse 3rd Ed.* USA: McGraw-Hill New York.
- Meulepas, R., Nordberg, A., Mata-Alvarez, J., and Lens, P. 2005. *Methane Production from Wastewater, Solid Waste and Biomass dalam Biofuels*

- for Fuel Cells: Renewable Energy from Biomass Fermentation*. Editor P. Lens, P. Westermann, M. Haberbauer dan A. Moreno. London: IWA Publishing.
- Misgiyarta. 2007. *Teknologi Pembuatan Nata de Coco*. Bogor: Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian.
- Mohan, C. 2006. *Buffers: A Guide For The Preparation and Use of Buffers in Biological Systems*. California: EMD Calbiochem.
- Mulas, M. , Tronci, S., Corono, F. Haimi, H., Lindell, P., Heinonen, M., Vahala, R., Baratti, R. 2015. Predictive Control of An Activated Sludge Process: An Application to Viikinmaki Wastewater Treatment Plant. *Journal of Process Control* (35), 89-100.
- Munk, B., Bauer, C., Gronauer, A. dan Lebuhr, M. 2012. A Metabolic Quotient for Methanogenic Archaea. *Water Science & Technology* 66 (11), 2311—2317.
- Padmono, D. 2007. Kemampuan Alkalinitas Kapasitas Penyangga (Buffer Capacity) Dalam Sistem Anaerobik Fixed Bed. *J. Teknik Lingkungan* Vol. 8(2), 119-127.
- Pambayun, R. 2002. *Teknologi Pengolahan Nata de Coco*. Kanisius. Yogyakarta.
- Parawira, W., Murto, M., Read, J.S., Mattiasson, B. 2005. Profile of Hydrolases and Biogas Production During Two-Stage Mesophilic Anaerobic Digestion of Solid Potato Waste. *Proc Biochem*. 40(9), 2945-2952.
- Peraturan Menteri Lingkungan Hidup No. 5 Tahun 2014.
- Pohland, F.G. and S. Ghosh. 1971. Developments in Anaerobic Stabilization of Organic Wastes – The Two-Phase Concept. *Environ. Lett.* (1), 255-256.
- Pracaya. 1982. *Bertanam Nanas*. Salatiga: Penebar Swadaya.
- Radaideh, J.A. 2005. The Significance of Buffering Capacity on the Elimination of Nitrogenous Compounds From Wastewater. *Proceedings of the 9th International Conference on Environmental Science and Technology*, 747-754.
- Santi, D.N. 2004. Pengelolaan Limbah Cair Pada Industri Penyamakan Kulit Industri Pulp dan Kertas Industri Kelapa Sawit. *e-journal*. Jurusan Kesehatan Lingkungan Universitas Sumatera Utara.

- Segel, I.H. 1976. *Biochemical Calculation 2nd Ed.* New York: John Wiley & Sons.
- Shah, Fayyaz Ali, Qaisar Mahmood, Mohammad Maroof Shah, Arshid Pervez dan Saeed Ahmad Asad. 2014. Microbial Ecology of Anaerobic Digesters: The Key Players of Anaerobiosis. *The Scientific World Journal* (2014).
- Sohaimi, K. 2007. Determination of Domestic Wastewater Characteristics and Its Relation to the Type and Size of Developments. *Project Report for Master of Engineering, Faculty of Civil Engineering Universiti Teknologi Malaysia*.
- Solichin, M. 2012. *Pengelolaan Air Limbah: Proses Pengolahan Air Limbah dengan Biakan Tersuspensi*. Malang: Universitas Brawijaya.
- Vavilin, V.A., S.V. Rytov, dan L.Y. Lokshina. 1996. A Description of Hydrolysis Kinetics in Anaerobic Degradation of Particulate Organic Matter. *Bioresource Technology* (56), 229-237.
- von Sperling, M. 2007. *Biological Wastewater Treatment Volume 1*. UK: IWA Publishing.
- Wang, L.K., Pereira, N.C. & Yung-Tse Hung. 2009. *Biological Treatment Processes Handbook of Environmental Engineering Volume 8*. USA: Humana Press.
- Wikandari, Rachma. 2014. *Effect of Fruit Flavors on Anerobic Digestion: Inhibitions and Solutions*. Swedia: University of Boras.
- Wiryani, E. 2007. *Analisis Kandungan Limbah Cair Pabrik Tempe*. Jurusan Biologi Fakultas MIPA Universitas Diponegoro Semarang.
- Woodroof, J.G. 1972. *Coconuts: Production, Processing Product*. Conneticut: The AVI Publishing Company, Inc.
- Yokoyama, S. 2008. *The Asian Biomass Handbook*. Ministry of Agriculture, Forestry and Fisheries Japan dengan bantuan Asia Biomass Association.
- Yudhistikarisma, W. N., 2014. *Analisis Potensi Limbah Nata de Coco sebagai Bahan Baku Pembuatan Bioetanol*. Skripsi Fakultas Teknologi Pertanian Universitas Gadjah Mada, Yogyakarta.



Zaitun. 2004. *Pengolahan Limbah Padat Industri Kecil Nata de Coco melalui Teknologi produksi Gas Bio dan Pemanfaatannya sebagai Pupuk Organik Cair*. Bogor: IPB.