

## DAFTAR PUSTAKA

- Anggraeni, R. S., 2010, Eko-Briket dari Komposit Sampah Plastik High Density Polyethylene (HDPE) dan Arang Sampah Kebun, Tesis, Jurusan Teknik Lingkungan ITS Surabaya.
- Aryapratama, R. and Janssen, M., 2017, “*Prospective life cycle assessment of bio-based adipic acid production from forest residues*”, Journal of Cleaner Production, 164:434-443.
- Baumann, H., and Tillman, A. M., 2014, *The Hitch Hiker’s Guide to LCA*, Student Literatur, Poland:Dimograf.
- Caputto, A. C. dan Pelagagge, P. M., 2002, “*RDF Production Plants: I Design and Cost*”, Applied Thermal Engineering, 22, 423-437.
- Chaiyat, N., 2015, “*Sustainability of Alternative Energy for Organic Rankine Cycle Power Plant in Thailand*”, Naresuan University Journal: Science and Technology, 23:1.
- Charles, H. K., 2010, *Use of Incineration MSW Ash: A Review, Sustainability*. ISSN, 2071-1050.
- Cheng, H. dan Hu, Y., 2010, “*Municipal solid waste (MSW) as a renewable source of energy: Current and future practices in China*”, Boresource Technology, 101:3816-3824.
- Damanhuri, E., 2006, *Teknologi dan Pengelolaan Sampah Kota di Indonesia*, Workshop Nasional Biokonversi Limbah, Teknik Lingkungan-FTSL ITB.
- Damanhuri, E dan Padmi, T., 2010, *Pengelolaan Sampah*, Diktat Kuliah, Institut Teknologi Bandung.
- Daskalopoulos, E., Badr, O., Probert, S. D., 1998, *Municipal Solid Waste: A prediction methodology for the generation rate and composition in the European Union countries and the United States of America: Resources, Conservation, and Recycling*, 24:155-166.
- Demirbas, A., and Sahin., A., 1998, “*Evaluation of Biomass Residue I. Briquetting Waste Paper and Wheat Straw Mixture*”, Fuel Processing Technology, 55:175-183.

- Dong, T. T. T., and Lee, B. K., 2009, “*Analysis of Potential RDF Resources from Solid Waste and Their Energy Values in the Largest Industrial City of Korea*”, *Waste Management*, 29:1725-1731.
- EIA, 2007, *Total Energy*, <<https://www.eia.gov/totalenergy/data/annual/>>. (Diakses Tanggal 10 Oktober 2017).
- EPA, 2016. *Waste Management Hierarchy and Homeland Security Incidents*, <<https://www.epa.gov/homeland-security-waste/waste-management-hierarchy-and-homeland-security-incidents>>. (Diakses tanggal 30 Maret 2017. Pkl. 23.30 WIB).
- EPA, 1995, *Emission Factors and Quantification*, <<https://www.epa.gov/.../ap-42-compilation-air-emission-fact>>. (Diakses tanggal 10 Oktober 2017).
- EPA, 1996, *Fifth Edition, Volume I Chapter 2: Solid Waste Disposal*, <<https://www3.epa.gov/ttn/chief/ap42/ch02/index.html>>. (Diakses Tanggal 10 Oktober 2017).
- ESDM, 2015, *Sampah Menjadi Energi, Buku Panduan*, Jakarta: Kementerian Energi dan Sumber Daya Mineral Republik Indonesia.
- ESDM, 2016, *Program Strategis EBTKE dan Ketenagalistrikan*. <[http://www.esdm.go.id/assets/admin/file/pub/FIX2\\_Jurnal\\_Energi\\_Edisi\\_2\\_17112016\(1\).pdf](http://www.esdm.go.id/assets/admin/file/pub/FIX2_Jurnal_Energi_Edisi_2_17112016(1).pdf)>, (Diakses tanggal 15 Maret 2017. Pkl. 16.03 WIB).
- ESDM, 2016, *Solusi Listrik Off-Grid Berbasis Energi Terbarukan di Indonesia: Kerangka Regulasi dan Program*, <<http://iesr.or.id/wp-content/uploads/Energi-Terbarukan.pdf>>. (Diakses tanggal 15 Maret Pkl. 15.43 WIB).
- Fatah, G. S. A., Hastono, A. D., dan Soebandi., 2013, “*Modifikasi dan Uji Kinerja Kompor Bertekanan Tipe Tabung Dengan Bahan Bakar Minyak Jarak Pagar (Jatropha curcas L)*”, *Jurnal Teknologi Pertanian*, 14:87-94.
- Feo, G. D., and Malvano, C., 2009, “*The Use of LCA in Selecting the Best MSW Management System*”, *Waste Management*, 29:1901-1915.
- Firdaus, A. N., dan Bachtiar, A. K. P., 2015, “*Studi Variasi Laju Pendinginan Cooling Tower Terhadap Sistem ORC (Organic Rankine Cycle) dengan Fluida Kerja R-123*”, *Teknik Mesin Institut Teknologi Sepuluh Nopember*.

Gendebien, A., Leavens, A., Blackmore, K., Godley, A., Lewin, K., Whiting, K. J., and Davis, R., 2003, “*Refuse Derived Fuel, Current Practice And Perspectives*”, Final Report. Juli 2003.

Giatman, M. 2006. *Ekonomi Teknik*. Jakarta : PT. Rajagrafindo Persada

Gontia, P and Janssen, M., 2016, “*Life Cycle Assessment of Bio-Based Sodium Polyacrylate Production from Pulp Mill Side Stream: Case Study of Thermo-Mechanical and Sulfite Pulp Mills*”, Journal of Clear Production, 131:475-484.

Gunamantha, M., Fandeli, C., Tandjung, S. D., dan Sarto., 2010, “*Life Cycle Assessment Pilihan Pengolahan Sampah: Studi Kasus Wilayah Kartamantul Propinsi D.I. Yogyakarta*”, Jurnal Manusia dan Lingkungan, 17(2):78-88.

Greeuw dan Sandra C. H., 2000, “*Cloudy Crystal Balls: An assessment of recent European and global Scenario studies and Models*”, Copenhagen: European Environment Agency Environmental issues series 17.

Hajinezhad, A., Halimehjani, E. Z., dan Tahani, M., 2016, “*Utilization of Refuse-Derived Fuel (RDF) from Urban Waste as an Alternative Fuel for Cement Factory: a Case Study*”, International Journal of Renewable Energy Research, 6:2

Harjanto, T. R., Fahrurrozi, M., dan Bendiyasa, I. M., 2012, “*Life Cycle Assessment Pabrik Semen PT. Holcim Indonesia Tbk. Pabrik Cilacap: Komparasi antara Bahan Bakar Batubara dengan Biomassa*”, Jurnal Rekayasa Proses, 6:2.

Hasan, M. H., and Hassan, Q. A., 2015, “*Development of The Refuse Derived Fuel (RDF) Production Methodology and Analysis of Different Characteristics*”, Departement of Chemical Engineering, BUET.

Hossain, M. F., Hossain, S., and Uddin, M. J., 2017, “*Renewable Energy: Prospects and Trends in Bangladesh*”, Renewable and Sustainable Energy Reviews, 70:44-49.

Hussain, A., Arif, S. M., and Aslam, M., 2017, “*Emerging Renewable and Sustainable Energy Technologies: State of the Art*”, Renewable and Sustainable Reviews, 71:12-78.

Indocement, 2015. Laporan Pemanfaatan RDF di Indocement. PT Indocement Tunggul Prakarsa Tbk., Bogor.

- Indoenergi, 2013, *Pengertian Energi Terbarukan* (internet),  
<<http://www.indoenergi.com/2012/04/pengertian-energi-terbarukan.html>>  
(diakses 21 Maret 2017).
- Ionescu, G., Rada, E.C., Ragazzi, M., Marculescu, M., Badea, A., Apostol, T.,  
2013, “*Integrated municipal solid waste scenario model using advanced  
pretreatment and waste to energy processes*”, *Energy Convers. Manage.*  
76:1083–1092.
- IPCC, 2007, *Emissions from waste incineration*, [www.ipcc-  
nggip.iges.or.jp/.../5\\_3\\_Waste\\_Incineration.pdf](http://www.ipcc-nggip.iges.or.jp/.../5_3_Waste_Incineration.pdf).
- ISO, 1997, *Environmental management—life cycle assessment—principal and  
framework*. Reference Number: ISO 14040: 1997(E).
- ISO, 1998, *International Standard ISO 14041, Environment management-Life  
cycle assessment-Goal and scope definition and inventory analysis*.  
Reference number ISO 14041:1998(E).
- JCM, 2017, *Emission Factor*,  
<[http://jcm.ekon.go.id/en/index.php/content/Mzg%253D/emission\\_factor](http://jcm.ekon.go.id/en/index.php/content/Mzg%253D/emission_factor)>  
, (Diakses Tanggal 2 Januari 2018).
- Kara, M., Gunay, E., Tabak, Y., dan Yildiz, S., 2009, “*Perspective for pilot scale  
study of RDF in Istanbul, Turkey*”, *Journal of Waste Management*, 29:2976-  
2982.
- Kasmir, dan Jakfar. 2003. *Studi Kelayakan Bisnis*. Jakarta : Prenada Media Grup
- Khoo, H. H., 2009, “*Life Cycle Impact Assessment of Various Waste Conversion  
Technologies*”, *Waste Management*, 29:1892-1900.
- Kilgroe, J. D., Finkelstein, A., Sommerlad, R. E., dan Seeker, W. R., 1988,  
*Environmental Characterization Of Refuse Derived Fuel Incinerator  
Technology*, <[http://www.seas.columbia.edu/earth/wtert/sofos/nawtec/1988  
-National-Waste-Processing-Conference/1988-National-Waste-Processing-  
Conference-38.pdf](http://www.seas.columbia.edu/earth/wtert/sofos/nawtec/1988-National-Waste-Processing-Conference/1988-National-Waste-Processing-Conference-38.pdf)> (Diakses Tanggal 28 Februari 2017).
- Kiss, I and Alexa, V, 2010, “*Short Introspection regarding The Sawdust Briquetting  
As Sustainable Solution For The Environment*”, *Analecta*, 8(2): 2064-7964.
- KLH, 2014, *Kebijakan Pengelolaan Sampah Dalam Penerapan Teknologi  
Sumber Energi Alternatif Terbarukan*,

([http://www.unescap.org/sites/default/files/Session%202\\_2\\_MoE.pdf](http://www.unescap.org/sites/default/files/Session%202_2_MoE.pdf)).

(Diakses tanggal 14 Maret 2017).

Komilis, D., Kissas, K., Symeonidis, A., 2013, “*Effect of organic matter and moisture on the calorific value of solid wastes: an update of the Tanner diagram*”, *Waste Manage*, 34:249–255.

Kosow, H dan Gaßner, R., 2008, *Methods of future and secnario analysis, Deutsches Institut für Entwicklungspolitik*

Kourkoumpas, D. S., Karellas, S., Kouloumoundras, S., Koufodimos, G., Grammelis, P., dan Kakaras, E., 2015, “*Comparison of Waste-to-Energy Processes by Means of Life Cycle Analysis Principles regarding the Global Warming Potential Impact: Applied case Studies in Greece, France and Germany*”, *Waste Biomass Valor*, 6:605-621.

Kreibich, R., Oertel, B., dan Wolk, M., 2011, “*Futures Studies and Future-oriented Technology Analysis Principles*”, *Methodology and Research Question*, 1<sup>st</sup> Berlin Symposium on Internet and Society, 25-27.

Krotscheck, C., Narodoslawsky, M., 1996, “*The Sustainable Process Index a new dimension in ecological evaluation*”. *Ecol. Eng.* 6, 241e258

Kurniawan, O., dan Marsono, 2008. *Superkarbon: Bahan Bakar Alternatif Pengganti Minyak Tanah dan Gas*. Penebar Swadaya.

Kuswadi. 2007. *Analisis Keekonomian Proyek*. Yogyakarta : Andi Offset

Lestiningrum, N. R. A., 2014, *Kajian Lingkungan dalam Pengelolaan Sampah Pemukiman dengan Konsep Zero Waste di UPS BUMDES Kabupaten Cirebon*, Tesis, Universitas Jendral Soedirman, Purwokerto.

Li, Y., Liu, H., dan Zhang, O., 2001, “*High-pressure compaction of municipal solid waste to form densified fuel*”, *Fuel Processing Technology*, 74:81-91.

LPPM UGM, 2013, *Kebun Pendidikan Penelitian dan Pengembangan Pertanian*, < <http://lppm.ugm.ac.id/PIAT-ugm/>> . (Diakses Tanggal 4 April 2017).

Lombardi, L., Carnevale, E., Corti, A., 2015., “*A review of technologies and performances of thermal treatment systems for energy recovery from waste*”, *Waste Management*, 37:26-44.

McDougall, F., White, P., Franke, M., Hindle, P., 2001, *Integrated Solid Waste Management: a Life Cycle Inventory*, Oxford: Blackwell Science.

- Morisson, B. dan Golden, J. S., 2017, "*Life cycle assessment of co-firing coal and wood pellets in the Southeastern United States*", Journal of Cleaner Production, 150:188-196.
- Muslihah, S., Utami, R. S., Sunarto, E., dan Warmadewanthi, I. D. A. A., 2011, "*Pengaruh Jenis Bahan Perekat dan Metode Pengeringan Terhadap Kualitas Briket Limbah Baglog Jamur Tiram Putih (Pleurotus ostreatus)*", Berk. Penel. Hayati, 17:47-51.
- Muharini, A., Prabuningrum, N., dan Sudrajat, I., 2008, "*Studi Karakterisasi Briket Sampah Domestik Non-Plastik Dari Tempat Pembuangan Akhir Sampah*", Media Teknik, ISSN 0216-3012
- Nithikul, J., 2007, *Potential of Refuse Derived Fuel Production from Bangkok Municipal Waste, Thesis, School of Environment Resource and Development Asian Institute Of Technology*, 3: 43.
- Novita, D. M., dan Damanhuri, E., 2010, "*Perhitungan Nilai Kalor Berdasarkan Komposisi Dan Karakteristik Sampah Perkotaan Di Indonesia Dalam Konsep Waste To Energy*", Jurnal Teknik Lingkungan, 16:103-114.
- OpenLCA, 2017, *LCA Data*, <<http://www.openlca.org/lca-data/>>. (Diakses tanggal 10 Oktober 2017).
- Partha, C. G. I., 2010, "*Penggunaan Sampah Organik Sebagai Pembangkit Listrik di TPA Suwung-Denpasar*", Penggunaan Sampah Organik, 9(2).
- Psomopoulos, C.S., Bourka, A., Themelis, N.J., 2009, "*Waste-to-energy: a review of the status and benefits in USA*". Waste Manage, 29:1718–1724.
- Purnama, R. R., Chumaidi, A., dan Saleh, A., 2012, "*Pemanfaatan Limbah Cair Cpo Sebagai Perekat Pada Pembuatan Briket Dari Arang Tandan Kosong Kelapa Sawit*". Jurnal Teknik Kimia 3(18), Hal 4-5.
- Ripa, M., Fiorentino, G., Giani, H., Clausen, A., and Ulgiati, S., 2017, "*Refuse Recovered Biomass Fuel From Municipal Solid Waste. A Life Cycle Assessment*", Applied Energy, 186:211-225.
- Romallosa, A. R. D., and Kraft, E., 2017, "*Feasibilitu of Biomass Production from Municipal Waste Stream by Integrating the Informal Sector in the Philippines*", Resource, 6: 12.

- Sedpho, S., Sampattagul, S., Chaayat, N., dan Gheewala, S. H., 2017, “*Conventional and exergetic life cycle assessment of organic rankine cycle implementation to municipal waste management: the case study of Mae Hong Son (Thailand)*”, *Int. J. Life Cycle Assess*, 22:1773-1784.
- Seelig, M., dan Scheider, P. S., 2012, “*Estimating The Energy Content Of Municipal Solid Waste From Its Physical Composition: The Heat of Combustion of Porto Algre’s Household Solid Waste*”, 14<sup>th</sup> Congres of Thermal Science and Engineering, November 18-22.
- Setiyono dan Wahyono, S., 2002, “*Sistem Pengelolaan Sampah Kota di Kabupaten Bekasi-Jawa Barat*”, *Jurnal Teknologi Lingkungan*, 2(2):194-198.
- Sinaga, D. dan Saragih, H.J. R., 2013, *Studi Kelayakan Investasi Pada Proyek Dan Bisnis Dalam Perspektif Iklim Investasi Perekonomian Global: Teori dan Aplikasinya dalam Menilai Investasi Modal dalam Proyek dan Bisnis*. Jakarta : Mitra Wacana Media
- Sokhansanj, S., 2011, *The effect of moisture on heating values. Biomass Energy Data Book*.
- Song, Q., Wang, Z., Li, J., Duan, H., Yu, D., and Liu, G., 2018, “*Comparative life cycle GHG emissions from local electricity generation*”, *Renewable and Sustainable Energy Reviews*, 81:2450-2459.
- Steinmüller, A., 2002, *Workshop Zukunftsforschung: Teil 1: Grundlagen, Methoden Anwendungen*, Essen: Z\_punkt GmbH.
- Suratman. 2001, *Studi Kelayakan Proyek: Teknik dan Prosedur Penyusunan Laporan*. Yogyakarta : J & J Learning
- Tabatabaie, S. M. H., and Murthy, G. S., 2016, “*Cradle to Farm Gate Life Cycle Assessment of Strawberry Production in the United States*”, *Journal of Cleaner Production*, 127:548-554.
- Tanner, V.R., 1965, “*Die Entwicklung der Von-Roll-MÄI=4llverbrennungsanlagen (The development of the Von-Roll incinerators)*, *Schweiz Bauzeitung*”, 83: 251–260. <<http://dx.doi.org/10.5169/seals-68135>>.
- Tarrifa Indonesia, 2018, *Skema Insinerasi Sampah*, <[www.tarifaIndonesia.com/index.php?view=article&catid](http://www.tarifaIndonesia.com/index.php?view=article&catid)>, (Diakses Tanggal 5 Januari 2018).

- Tchnobanoglous, T., 1993, *Integrated Solid Waste Management Engineering Principle and Management Issues*. Singapura: Mc.Graw-Hill, Inc.
- Tchobanoglous, G., and Kreith, F., 2002, *Handbook of Solid Waste Management*, McGraw-Hill Handbook.
- Trisaksono, B. P., 2002, “*Pengelolaan dan Pemanfaatan Sampah Menggunakan Teknologi Incinerator*”, *Jurnal Teknologi Lingkungan*, 3:17-23.
- UNEP, 2003. *Environmental management tools: life cycle assessment*, <<http://www.unep.org/pc/pc/tools/lca.htm>>, (Diakses tanggal 22 Maret 2017).
- Weidema, B., Wenzel, H., Petersen, C., Hansen, K., 2004, “*The Product, Functional Unit, and Reference Flows in LCA*, Danish Ministry of The Environment”, Environmental Protection Agency, 7.
- World Bank, 2012, *What A Waste special focus: A Global Review of Solid Waste Management*, No. 15. Maret 2012.
- World Energy Council, 2013, *Waste to Energy*, London: World Energy Council.
- World Energy Council, 2004, *Renewable Energy Projects Handbook*, London: World Energy Council.
- Yay, A. S. E., 2015, “*Application of Life Cycle Assessment (LCA) for Municipal Solid Waste Management: A Case Study of Sakarya*”, *Journal of Cleaner Production*, 94: 284-293.
- Yuliani, M., 2016, “*Insinerasi untuk Pengolahan Sampah Kota*”, *Pusat Teknologi Lingkungan (PTL)-BPPT*, 9:89-96.