

DAFTAR PUSTAKA

- Ardianto, Ferry., 2010, *Karakterisasi Gasi-fikasi Serpihan Kayu Pada Reaktor Down-draft Sistem Batch Dengan Variasi Air Fuel Ratio dan Ukuran Biomassa*, Tugas Akhir Mahasiswa, ITS, Surabaya.
- Barker, N., 1998. *Gas turbines, Reciprocating Engines, and other Conversion Devices in Biomass to Electricity Systems*. Report Prepared for the IEA biomass Gasification Activity. AEAT-4288, AEA Technology, Oxon, UK. pp: 50+.
- Basu, Prabir., 2010, *Biomass Gasification and Pyrolysis Practical Design*, Elsevier.Inc, United States.
- Boerrigter, Harold., dkk, 2004, *Integrated Biomass Gasification and Gas Cleaning Facility Ecn Pilot Plant for Biomass Research*, The 2nd World Conference and Technology Exhibition on Biomass for Energy, Roma, Italy.
- BPPT, 2014, *Outlook Energi Indonesia 2014*, Badan Pengkajian dan Penerapan Teknologi, Jakarta.
- Dumanauw, J. F.,1993, *Mengenal Kayu*, Yogyakarta: Kanisius.
- Devi, L., et al., *Catalytic Decomposition of Biomass Tars: Use of Dolomite and Untreated Olivine*. Renewable Energy, 2005. 30: pp: 565-587.
- Direktorat Jenderal Perkebunan. 2012. *Produksi Kelapa Menurut Provinsi di Seluruh Indonesia*.www.deptan.go.id
- FAO,1986, *Wood Gas as Engine Fuel*, Publications Division, Food and Agriculture Organization of the United Nations, Rome, Italy.
- Fengel, D., 1995, *Kayu: Kimia, Ultrastruktur, Reaksi – reaksi*, Yogyakarta: Universitas Gajah Mada Press.
- Graham, R.G., dan R. Bain, 1993, *Biomass Gasification: Hot Gas Clean-up*, Report Submitted to IEA Biomass Gasification Working Group, Enslyn Technologies/NREL, pp: 44.
- Hasler, P. and T. Nussbaumer, 1999, *Gas Cleaning for IC Engine Applications from Fixed Bed Biomass Gasification*. Biomass and Bioenergy, 16: pp: 385-395.
- Haygreen, J. G. 1987. *Hasil Hutan dan Ilmu Kayu: Suatu Pengantar*. Yogyakarta: Universitas Gajah Mada Press.
- Hohnholz, J. H. 1988. *Menuju Kelestarian Hutan*. Jakarta: Yayasan Obor Indonesia.

- Hutomo, Ashari., 2012, *Pengaruh Variasi Rasio Udara-Bahan Bakar (Air Fuel Ratio) Terhadap Gasifikasi Biomassa Briket Sekam Padi Pada Reaktor Downdraft Sistem Batch*, Tugas Akhir Mahasiswa, ITS, Surabaya.
- Kaupp, A., dan Goss, J.R., 1981, *State of the Art for Small Scale (to 50kW) Gas Producer Engine Systems*, Final Report, U.S.D.A Chapter 5
- Kaupp, A., 1982, *Myths and Facts About Gas Producer Engine Systems*, Paper presentated at First International Producer Gas Coference 8 November 1982, Colombo, Srilangka.
- Kementerian Perindustrian, 2012, *Rencana Strategis Kementerian Perindustrian 2010-2014*.
- Klein, Alexander., 2002, *Gasification: An Alternative Process for Energy Recovery and Disposal of Municipal Solid Wastes*, Submitted in partial fulfillment of the requirements for the degree of M.S. in Earth Resources Engineering Department of Earth and Environmental Engineering Fu Foundation School of Engineering and Applied Science, Columbia University.
- Kollmann, F.F.P., and W.A, Cote., 1968, *Principles of wood science and technology (I)*, Solid Wood, Springer-Verlag, Berlin, pp: 592.
- Luby, Peter., 2003, *Advanced System in Biomass Gasification-Comercial Reality and Outlook*. Paper, the III International Slovak Biomass Forum, Bratislawa, February 3-5.
- Neeft, J.P.A., Knoef, H.A.M., and Onaji, P., 1999, *Behavior of Tars in Biomass Gasification Systems*. NOVEM EWAB Program Report 9919 Netherlands. pp: 75.
- Putri, Gita Astari, 2009, *Pengaruh Variasi Temperatur Gasifying Agent II Media Gasifikasi Terhadap Warna dan Temperatur Api Pada Gasifikasi Reaktor Downdraft Dengan Bahan Baku Tongkol Jagung*, Tugas Akhir Mahasiswa, ITS Surabaya.
- Remulla, J.A., 1982, *Gasifier Manufacture in the Philippines : Status and Prospect*, Presented at technical Consultation Meeting between People's Republic of China and Philipines Manila, June 23-30.
- Roos, Carolyn J. Ph.D., 2008, *Biomass Drying and Dewatering for Clean Heat & Power, Combined Heat and Power for the state of Alaska, Idaho, Montana, Oregon and Washington* in cooperation with U.S. Department of Energy, Northwest CHP Application Center.
- Sengratry Kythavone, NUOL, 2006, *Promotion of the Efficient Use of Renewable Energies in Developing Countries Chapter VI; Gasification*, Promotion

of the Efficient Use of Renewable Energies in Developing Countries
EIE-06-256 REEPRO.

- Setiawan, Dimas., 2011, *Karakterisasi Proses Gasifikasi Downdraft Berbahan Baku Sekam Padi Dengan Desain Sistem Pemasukan Biomassa Secara Kontinyu Dengan Variasi Air Fuel Ratio*, Tugas Akhir Mahasiswa, ITS, Surabaya.
- Setyawati, D., 2003, *Komposit Serbuk Kayu Plastik Daur Ulang : Teknologi Alternatif Pemanfaatan Limbah Kayu dan Plastik*, (http://tumoutou.net/702_04212/gustanpari.htm. Diakses:23 Nov 2008).
- Sjostrom, E., 1993, *Wood Chemistry, Fundamentals and Applications*, Second Edition, New York: Academic Press.
- _____, 1995, *Kimia Kayu: Dasar – dasar dan Penggunaan*, Jilid 2, Yogyakarta: Universitas Gajah Mada Press.
- Solar Energy Research Institute (SERI), 1979, *Generator Gas – The Swedish Experience from 1939-1945*, SERI Golden Colorado Chap. 2.
- Stasse, H. E. M., Knoef, H. A. M., 1995, *UNDP/World Bank small-scale gasifier monitoring program- final findings*, Energy for Sustainable Development, II (1), pp: 41-48.
- Suhardiyono, L., 1988, *Tanaman Kelapa, Budidaya dan Pemanfaatannya*, Yogyakarta: Kanisius.
- Surjosatyo, Adi., 2008, *Optimation Biomass Gasification With Improvement Of Gas Cleaning System*, International Journal of Science Engineering and Technology Vol. 1, No. 2, 2008 ISSN: 1985-3785, J. Sci. Eng. Tech. Vol. 1, No. 2, 2008, pp: 32-34.
- Yang, M. 2007, *Climate Change Drives Wind Turbines*. Energy Policy, 35:pp: 6546-6548.
- Yolanda, Siti Destiana., 2015, *Gasifikasi Biomassa (Serbuk Kayu Laban) Sistem Updraft Single Gas Outlet Dengan Sistem Pembersih Filter Jerami (Tinjauan Kinerja Filter Jerami Terhadap Produksi Syngas)*, Tugas Akhir Mahasiswa, Polsri Palembang (tidak dipublikasikan).