

BIBLIOGRAPHY

- Allen, E.,** and Iano, J., 2008, *Fundamentals of Building Construction: Materials and Methods. 5th Edition.* Waley Publisher, New York
- Cengel, Y.,** and Ghajar, A., 2007, *Heat and Mass Transfer Fundamentals and Application 4th Edition.* McGraw-Hill. Boston
- Chan, A.L.S.,** and Chow, T.T., 2013, Evaluation of Overall Thermal Transfer Value (OTTV) for commercial buildings constructed with green roof. *Journal of Applied Energy* 107, 10-24.
- Cefic,** 2011, *Guidelines for Measuring and Managing CO₂ Emission from Freight Transport Operations.*
[http://www.cefic.org/Documents/IndustrySupport/Transport-and-Logistics/Best%20Practice%20Guidelines%20-%20General%20Guidelines/Cefic-ECTA%20Guidelines%20for%20measuring%20and%20managing%20CO₂%20emissions%20from%20transport%20operations%20Final%2030.03.2011.pdf](http://www.cefic.org/Documents/IndustrySupport/Transport-and-Logistics/Best%20Practice%20Guidelines%20-%20General%20Guidelines/Cefic-ECTA%20Guidelines%20for%20measuring%20and%20managing%20CO2%20emissions%20from%20transport%20operations%20Final%2030.03.2011.pdf) (online accessed on February 2, 2016)
- Chudley, R.,** and Greeno R., 2008, *Building Construction Handbook: 7th Edition.* Elsevier, Oxford
- Crawford, R.H.,** 2008, Validation of hybrid life-cycle inventory analysis method. *Journal Environment Management*, vol 88, 496-506.
- Crowther, P.,** 1999, Design for Disassembly to Recover Embodied Energy. *16th annual conference on passive and low energy architecture*-Melbourne.
- Ding, G.,** 2004, *The Development of Multi-criteria Approach for Measurement of Sustainable Performance for Built Project and Facilities.* Ph.D Thesis Sydney University of Technology, Sydney
- Erlandsson, M.,** and Borg M., 2003, Generic LCA-methodology applicable for building, construction and operation services-today practice and development needs. *Build and Environment* 7, page 919–938
- Hammond, G.,** and Jones, C., 2008, *Inventory of Carbon and Energy (ICE) Version 1.6a.* http://www.ecocem.ie/downloads/Inventory_of_Carbon_and_Energy.pdf (online accessed November 11, 2015)



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**Integrated Analysis of Energy Performance and Life Cycle Assessment of
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Building Envelope**

SOLLI DWI MURTYAS, Prof. Dr.-Ing. Ir. Harwin Saptoadi, MSE

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Hans et al., 2004, *Handbook on Life Cycle Assessment: Operational Guide to the ISO*

Standard. Kluwer Academic Publisher, New York

Heijungs, R., et al., 2004, *Handbook on Life Cycle Assessment: Operational Guide to the ISO Standards*. Kluwer Academic Publishers, London.

Hofstrand, D., 2008, *Liquid Fuel Measurement and Conversion*.

www.extension.iastate.edu/agdm (online accessed on Januari 29, 2016)

Hui, S.C.M., 2007, Overall Thermal Transfer Value (OTTV): How to improve its control in Hongkong. *One-day Symposium on Building, Energy and Environment*, Kowloon, Hongkong.

Indonesian Ministry of Public Work, 2015, *Green Building Rating Standard*, Ministry Law No.02/PRT/M/2015

International Energy Agency, 2013, *Technology Roadmap: Energy Efficient Building Envelopes*.

<https://www.iea.org/publications/freepublications/publication/TechnologyRoadmapEnergyEfficientBuildingEnvelopes.pdf>, (online accessed September 26, 2015)

Japan International Cooperation Agency, 2005, *JICA Thematic Guidelines on Energy Conservation*.

[http://gwweb.jica.go.jp/km/FSubject0901.nsf/3b8a2d403517ae4549256f2d002e1dcc/fa15ad135c5cd015492570a700084102/\\$FILE/JICA%20Thematic%20Guidelines%20on%20Energy%20Conservation.pdf](http://gwweb.jica.go.jp/km/FSubject0901.nsf/3b8a2d403517ae4549256f2d002e1dcc/fa15ad135c5cd015492570a700084102/$FILE/JICA%20Thematic%20Guidelines%20on%20Energy%20Conservation.pdf) (online accessed 20 September, 2015)

Keoleian, G.A. et al., 2003, Life Cycle Energy and Environmental Performance of a New University Building: Modelling Challenges and Design Implications. *Energy and Buildings* 35, 1049-1064

Loekita, S., 2007, Analisis Konservasi Energi Melalui Selubung Bangunan, *Dimensi Teknik Sipil*, Vol.8, No.2, 93-98

Merriam-Webster. English Dictionary and Thesaurus.

<http://www.merriam-webster.com/>, (online accessed September 24, 2015)

Miller et al., 2010, *Assessment of Embodied Energy and Carbon Emission of Building and Construction Processes in Malaysia Using Process-Based Hybrid Analysis*. Research, Development, and Practise in Structural Engineering and Construction. Griffith University, Australia



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Universitas Gadjah Mada, 2016 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- Mulyati, E.** and Ahf, A.I., 2013, Design of Ideal Tariff of Goods Transport Based on Vehicle Operational Cost Method, *Jurnal Ilmiah Teknik Industri*, **12**(12), 213-222
- Murtyas, S.D.**, 2013, *Heat Recovery System Potential Study in Inna Garuda Hotel as Alternative for Energy Conservation*, Undergraduate Thesis, Universitas Gadjah Mada, Yogyakarta
- National Standardization Agency of Indonesia**, 2000, *SNI 03-6389-2000 about Energy Conservation of Building Envelope on Buildings*.
<http://dppk.bandung.go.id/assets/uploads/file/20a8b-sni-selubung-bangunan.pdf>
(online accessed Oktober 11, 2015)
- National Standardization Agency of Indonesia**, 2008, *about HSP of wall*.
<http://runiasmaranto.lecture.ub.ac.id/files/2012/05/SNI-6897-2008-HSP-dinding.pdf>
(online accessed Desember 24, 2015)
- NRC**, 2010, *Advancing the Science of Climate Change*. National Research Council. The National Academic Press, Washington DC
- Oyeshola**, and Gheewala., 2009, Life Cycle Energy Assessment of Typical Office Building in Thailand, *Energy and Buildings* **41** :1076-1083
- Priandini, U.**, 2013, *Building Envelope Analysis According to OTTV parameter*, Undergraduate Thesis, Universitas Gadjah Mada, Yogyakarta
- Stazi, F. et al.**, 2012, Life cycle assessment approach for the optimization of sustainable building envelopes: an application on solar wall systems, *Building and Environment* **58**, 278-288
- Surahman, U.**, 2014, *Life Cycle Assessment of Energy and CO₂ emissions for Residential Buildings in Major Cities of Indonesia*, Doctoral Dissertation. Hiroshima University, Hiroshima.
- Treloar, G.J.**, et al., 2001, Environmental Assessment of Rammed Earth Construction Systems. *Structural survey*, vol.19, pp.99-106
- U.S. Energy Information Administration**, 2013, *International Energy Outlook 2013*.
[http://www.eia.gov/forecasts/ieo/pdf/0484\(2013\).pdf](http://www.eia.gov/forecasts/ieo/pdf/0484(2013).pdf) (online accessed 20 Desember 2015)



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Umiral Store and Contractor, Tukang Bongkar.

<http://jasarenovasirumah-murah.blogspot.co.id/2013/07/tukang-bongkar.html> (online accessed March 29, 2016)

Vijayalaxmi, J., 2010, Concept of Overall Thermal Tranfer Value (OTTV) in design of building envelope to achieve energy efficiency. *International Jurnal of Thermal and Environmental Engineering* **1**(2), 75-80

Wikipedia. Glass. <https://en.wikipedia.org/wiki/Glass> (online accessed December 27, 2015)

Williams, A.S., 2009, *Life Cycle Analysis: A step by step approach*. Illinois Sustainable Technology Center Reports,
http://www.istc.illinois.edu/info/library_docs/TR/TR040.pdf (accessed online 26 Desember 2015)

Yilmaz, Z., and Manioglu, G., 2006, Economic evaluation of the building envelope and operation period of heating system in terms of thermal comfort. *Energy and Buildings* **38** , 266-272

Yudha, R.R.P., 2015, Analysis of Work Productivity in Panel Wall, Conventional Clay Brick Wall and SNI Wall Construction, *Jurnal Ilmiah Universitas Brawijaya*, Malang