

## DAFTAR PUSTAKA

- Anon, 2016, *Worldwide Hidrogen Fueling Station*, updated on 8/09, (<http://www.fuelcell.org/info/charts/h2fuelingstations.pdf>), (Diakses tanggal 24 Desember 2017 pk. 08.00pm)
- Akhmad Muawal Hasan, 2017, **Selamat Datang Era Mobil Hidrogen**, <https://tirto.id/selamat-datang-era-mobil-hidrogen-ch4s>
- Ahied, Mochammad, 2015, efisiensi material pada pembangkit listrik tenaga nuklir lwr (light water reactor) dan phwr (pressurized heavy water reactor), Universitas Trunojoyo, Madura.
- Anonim, 2015, <http://www.satuenergi.com/2015/12/bahan-bakar-sel-hidrogen-kelebihan-dan.html> diakses pada 15/3/2018 pk. 08.00pm
- Anonim, 2015 <http://intisolar.com/news/dampak-pemakaian-energi-fosil/> diakses tanggal 15/03/2018 pk. 08.00pm
- Alimah, Siti dan Sriyono, 2013, *Kajian penentu jarak aman instalasi produksi hidrogen dengan RGTT200K*. Pusat Pengembangan Energi Nuklir (PPEN)-BATAN, Jl. Kuningan Barat, Mampang Prapatan, Jakarta Selatan.
- Aries, R.S. and Newton, R.D., 1954, *Chemical Engineering Cost Estimation*, Mc.Graw Hill Book Company Inc., New York
- Armawati, Yeni, 2013, *Implementasi Peraturan Walikota Semarang Nomor 5 Tahun 2009 Tentang Petunjuk Pelaksanaan Peraturan Daerah Kota Semarang Nomor 13 Tahun 2006 Tentang Pengendalian Lingkungan Hidup Terhadap Mekanisme Kegiatan Pengendalian Pencemaran Udara Di Wilayah Semarang Timur*, Fakultas Hukum, Universitas Negeri Semarang.
- BPS Kota Semarang, 2016, *Kota Semarang dalam Angka*, Pemerintah Kota Semarang.
- BPS Kota Semarang, 2017, *Banyaknya Kendaraan Bermotor dirinci menurut Jenis Kendaraan, 2012-2014*, (<https://semarangkota.bps.go.id/linkTabelDinamis/view/id/23>), (Diakses tanggal 24 Desember 2017 8.00 PM).
- Chan CC, 2007, *The state of the art of electric, hybrid, and fuel cell vehicles. Proc IEEE; VOL. 90, NO. 2*, Publisher Item Identifier S 0018-9219(02)01129-5, Department of Electrical and Electronic Engineering, the University of Hong Kong, Hong Kong.
- Dinata, M Ridho, 2011, *Fuel cell sebagai energi alternatif pada motor bakar*, Fakultas Teknologi Industri Jurusan Teknik Mesin – Universitas Kristen Petra, Jakarta.

- Ecotricity, 2017, *The end of fossil fuels* (<https://www.ecotricity.co.uk/our-green-energi/energi-independence/the-end-of-fossil-fuels>, (Diakses tanggal 24 Desember 2017 8.00 PM).
- EU project SOLREF, 2016, *Hidrogen production via solar reforming of Hydrocarbons*, <http://www.pre.ethz.ch/research/projects/?id=solref> (diakses 01-02-2018 7:27 PM)
- Fatkul Maskur, 2018, JHyM, 11 Perusahaan Jepang Kembangkan Stasiun Hidrogen Bagi FCV, <http://otomotif.bisnis.com/read/20180305/275/745966/jhym-11-perusahaan-jepang-kembangkan-stasiun-hidrogen-bagi-fcv> diakses pada 2 Agustus 2018.
- Fung Michele, 2005, fact, <https://hypertextbook.com/facts/2005/MichelleFung.shtml> diakses pada 2 Agustus 2018.
- Grube, M, 2004, *Tankstellengeschichte in Deutschland*, (<http://www.geschichtsspu ren.de/artikel/34-verkehr/138-tankstellengeschichte.html>. (Diakses tanggal 24 Desember 2017 8.00 PM)
- Gnann Till, Patrick Plötz, 2015, *A review of combined models for market diffusion of alternative fuel vehicles and their refueling infrastructure*, Fraunhofer Institute for Systems and Innovation Research ISI, Breslauer Strasse 48, 76139 Karlsruhe, Germany
- Hilmi, 2018, Bahan bakar hidrogen, <https://www.ikons.id/toyota-sedang-membangun-pembangkit-listrik-raksasa-yang-mengubah-biowaste-menjadi-bahan-bakar-hidrogen/> diakses pada 2 Agustus 2018.
- Lemus Guerrero. R & Martínez-Durant. J.M., 2010, *Updated hidrogen production cost and partities for conventional and renewable technologies*, *International Journal of Hidrogen Energi* 35, 3929–3936, Spanyol.
- Hasan, Achmad, 2011, Aplikasi sistem fuel cell sebagai energi ramah lingkungan di sektor transportasi dan pembangkit, Jakarta.
- Handajani Mudjiastuti, 2014, Konsumsi bahan bakar minyak kota semarang dan kota Surakarta ditinjau dari system transportasi dan tipologi kota, Jurusan Teknik Sipil, Fakultas Teknik Universitas Semarang
- Hamelinck CN, Faaij APC, 2002, Future Prospects For Production Of Methanol And Hidrogen From Biomass. *J Power Sources*;111:1- 22.
- Harvenda Aris F, 2015 <https://olahraga.kompas.com/read/2015/10/29/105336915/Alasan.Mengapa.Mirai.Sulit.Hidup.di.Indonesia> diakses pada 15/03/2018 pk. 01.35AM
- Hendrata, Suhada, 2011, *Fuel Cell Sebagai Pengganti Motor Bakar Pada Kendaraan*, Univ Sriwijaya, Ogan ilir.

- Hidayati Nur, 2005, Prarancangan pabrik hidrogen peroksida proses autooksidasi 2-Ethilanthraquinone kapasitas 40.000 ton per tahun, Teknik Kimia, Fakultas Teknik, Universitas Sebelas Maret, Surakarta
- Isdiriyani Nurdin, 2005, <http://www.energi.lipi.go.id/utama.cgi?artikel&1113609431&5> diakses pada 15/03/2018 pk. 01.35AM
- KESDM, 2015, *RENSTRA KESDM 2015-2019*, Jakarta.
- Korompot, M. N., 2011, “BP Migas Diminta Tinjau Harga Gas Wajo”, Bisnis KTI, <http://www.bisnis-kti.com/index.php/2011/07/bp-migas-diminta-tinjau-harga>, diakses 1 Januari 2018 7:27 PM.
- Kim J. W. , K. J. Boo , J. H. Coo and I. Moon, 2014, *Challenges in the development of an infrastructure for hydrogen production, delivery, storage and use*, Korea Institute of Energi Research, Republic of Korea
- LEAP User Guide, 2006. Dokumen Teknis, Stockholm Environment Institute, Stockholm, 2006
- Liun Edwaren, 2011, *Analisis Keekonomian Bahan Bakar Produk Nabati dan Hidrogen Nuklir*. Pusat Pengembangan Energi Nuklir (PPEN) –BATAN, Jakarta
- Metz, S, 2005, *European Hidrogen Technology*. Linde Technology, Berichte aus Technik und Wissenschaft, Berlin, Germany
- Matthew, Mench M., 2008. *Fuel Cell Engines*, Jhon Wiley & Sons, Inc., Hoboken, New Jersey. United States of America
- Muradov NZ, Veziroglu TN, 2005, *From Hydrocarbon To Hidrogenecarbon To Hidrogen Economy. Int J Hidrogen Energi*;30:225-37
- National Renewable Energi Laboratory, *Current (2009) State-of-the-Art Hidrogen Production Cost Estimate Using Water Electrolysis, Independent Review*, Published for the U.S. Department of Energi Hidrogen Program, National Renewable Energi Laboratory, Colorado, September 2009, <http://hidrogen.energi.gov/pdfs/46676.pdf>. (diakses pada tanggal 3 Januari 2018 8.00 PM)
- Neef, H-J, 2009, International overview of hidrogen and fuel cell research, <https://doi.org/10.1016/j.energi.2008.08.014>, Project Management Juelich (PtJ), Research Centre Juelich, D 5245 Juelich, Germany
- Ofyar, Z Tamin, 2011, Menuju terciptanya sistem transportasi kota hemat energi dan ramah lingkungan. *Institut Teknologi Bandung, Bandung*.
- Peters, M. S., K. D. Timmerhaus, and R. West, *Plant Design and Economics for Chemical Engineers*, Fifth Edition, McGraw-Hill, 2003.

- Polites, M. E, 1999, Technology of automated rendezvous and capture in space, *Journal of Spacecraft and rockets* 36.2 (): 280-291. Alabama, USA
- Kahn Ribeiro S, Kobayashi S, Beuthe M, Gasca J, Greene D, Lee DS, et al. 2007. *Transport and its infrastructure*. In: Metz B, Davidson OR, Bosch PR, Dave R, Meyer LA, editors. Technical report. *Working group III to the fourth assessment report of the intergovernmental panel on climate change*, Cambridge, United Kingdom, New York, NY, USA
- Mustakim, Aksa, 2013, *Analisis Konsumsi BBM Kota Semarang Ditinjau dari Sistem Transportasi Kota dan Tipologi Kota*, Tesis, Program Magister Teknik Sipil, Universitas Diponegoro, Semarang.
- Rabia, Shabbir, Sheikh, S.A, 2010, Monitoring urban transport air pollution and energi demand in Rawalpindi and Islamabad using leap model. *Energi policy* 35, 2323-2332
- Reuß, M.; Grube, T.; Robinius, M.; Preuster, P.; Wasserscheid, P.; Stolten, D.: *Seasonal storage and alternative carriers: A flexible hydrogen supply chain model*. In: *Applied Energy* (2017).
- Robinius Martin, Jochen Linßen, Thomas Grube, Markus Reuß, Peter Stenzel, Konstantinos Syranidis, Patrick Kuckertz and Detlef Stolten, 2018, Comparative Analysis of Infrastructures: Hydrogen Fueling and Electric Charging of Vehicles
- Rosyid, Oo Abdul, 2009, *Infrastruktur hidrogen untuk aplikasi fuel cell dalam era ekonomi hidrogen*, Balai Besar Teknologi Energi (B2TE-BPPT), Kawasan Puspiptek Serpong, Tangerang.
- Rosyid, O.A., 2006, *System-Analytic Safety Evaluation of the Hidrogen Cycle for Energetic Utilization*, Disertasi, O-v-G- University Magdeburg, Jerman.
- Rosyid, O.A. and A. Hadianto, 2002, *Hidrogen as Alternative Fuel for Future Transportation System*, Proceeding of the 7th ISSM, Berlin.
- Sampoerno, 2018, hidrogen, <http://www.anekagas.com/id/product/pages-detail/hidrogen> diakses pada 2 Agustus 2018.
- Sampoerno, 2018, sistem gas di lokasi, <http://www.anekagas.com/id/product/pages-detail/sistem-gas-di-lokasi> diakses pada 2 Agustus 2018.
- Shayegan S. D. Hart, P. Pearson, D. Joffe 2006 Analysis of the cost of hidrogen infrastructure for buses in London \*, Department of Environmental Policy, Imperial College, RSM Building, London SW7 2BP, UK Received 3 October 2005; received in revised form 16 December 2005; accepted 20 December 2005 Available online 8 February

- Schultz, K. R., At all, 2003, *Large-Scale Production of Hidrogen By Nuclear Energi For The Hidrogen Economy*, work supported by the U.S. Department of Energi under grant No. DE-FG03-99SF21888 GENERAL ATOMICS PROJECT 49009, U.S.
- Sutarno, Abdul Malik, 2016, *Kajian produksi energi hidrogen menuju transisi ekonomi bebas CO2. Jurusan Teknik Kimia – Tekstil, Fakultas Teknologi Industri, Universitas Islam Indonesia1, Jl. Kaliurang Km.14,5, Sleman, Yogyakarta, 55584*
- Sutarno, 2008, Sistem produksi hidrogen dengan proses kombinasi termolisis dan elektrolisis air menggunakan energi surya, Prosiding Seminar Nasional Teknoin, Jurusan Teknik Kimia Fakultas Teknologi Industri, Universitas Islam Indonesia, Jl Kaliurang km 14 Yogyakarta
- Sutarno 1, H. Malik KH2 dan Faisal RM3, 2012, Hidrogen dari biomassa scenario sekarang dan prospeknya di masa depan, *Teknoin Vol. 18 No. 4 Desember 2012 : 01- 17 Jurusan Teknik Kimia, Fakultas Teknologi Industri, Universitas Islam Indonesia, Jl.Kaliurang Km.14.5, Yogyakarta*
- Stygar, M. and Brylewski, T, 2012, Towards a hidrogen economy in Poland, *International Journal of Hidrogen Energi* 38 1–9.
- Traduka, <http://tradukka.com/unit/energi/kilocalorie-it/gigajoule> Diakses tanggal 24 Desember 2017 8.00 PM
- The World Bank, 2014. Low-emission transport, (<http://www.worldbank.org/en/topic/transport/brief/low-emission-transport>; Diakses tanggal 24 Desember 2017 8.00 PM)
- Tzimas, E., C. Filiou, S.D. Peteves, J.B.Veyret, 2003, *Hidrogen Storage. State-of-The-Art and Future Perspective*, European Commssion, EUR 20995 EN, The Netherland,.
- Yang, C.; Ogden, J.: *Determining the lowest-cost hydrogen delivery mode*. In: *International Journal of Hydrogen Energy* 32 (2007), pp. 268-286.
- Yusuf, M. Rido, 2014, estimasi penggunaan bahan bakar pada kendaraan angkutan umum brt di semarang sampai tahun 2030 menggunakan software leap, Fakultas Teknik, Universitas Diponegoro