



## DAFTAR PUSTAKA

- Abbot, Carl, 2003, "Falling into History: The Imagined Wests of Kim Stanley Robinson in the "Three Californias" and Mars Trilogies" dalam *Jurnal Westren Historical Quarterly*, Vol. 34 No. 1 (Spring).
- Ahrens, Peter, 2003, "The Terraformation of Worlds" dalam *Artikel Ilmiah*, Terakhir Diperbarui Desember 2003, Diambil dari <http://www.nexialquest.com>, Diakses Tanggal 4 Mei 2018.
- Allhoff, Fritz; Lin, Patrick; Moore, Daniel, 2010, *What Is Nanotechnology and Why Does It Matter? From Science to Ethics*, Blackwell Publishing, New Jersey.
- Ariwidodo, E., 1997, *Rekayasa Genetika (Riset DNA Rekombinan) Dalam Perspektif Filsafat Ilmu*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Asmin, Yudian, 1995, *Filsafat Teknologi*, Al-Ikhlas, Surabaya.
- Asy'arie, Musa, 2016, *Filsafat Ilmu, Integrasi dan Transendensi*, Lembaga Studi Filsafat Islam, Yogyakarta.
- BBC, 2014, *Your Inner Fish an Evolution Story*, Dokumenter, BBC FOUR.
- \_\_\_\_\_, 2009, *Darwins Dangerous Idea*, Dokumenter, BBC TWO.
- Beech, Martin, 2009, *Terraforming: The Creating of Habitable Worlds*, Springer Science+Business Media, LLC, New York.
- Berg, Hein van den, 2017, "Kant and the Scope of Analogy in the Life Sciences" dalam *Jurnal Studies in History and Philosophy of Science*, Vol. XXX.
- Bessant, John, 2013, *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*, John Wiley & Sons Ltd, United Kingdom.
- Bunge, Mario, 1966, "Technology as Applied Science" dalam *Jurnal Technology and Culture*, Vol. 7. No. 3 (Summer).
- Committee on Science, Engineering, and Public Policy, National Academy of Sciences, National Academy of Engineering, and Institute of Medicine of the National Academies, 2009, *On Being a Scientist: A Guide to Responsible Conduct in Research*, The National Academies Press, Washington, D.C..
- Compound Interest, 2015, "Aroma Chemistry: The Aroma of Fresh-Cut Grass" dalam *Info Grafis*, Terakhir Diperbarui 25 April 2014, Diambil dari <http://www.compoundchem.com/2014/04/25/what-causes-the-smell-of-fresh-cut-grass/>, Diakses tanggal 24 September 2017.
- Coyne, Lewis, 2016, *Hans Jonas and Political Responsibility in Technological Civilization*, Conference Presentations, University of Exeter, England.



- Darlow Smithson Productions and Handel Productions Inc., 2015, *Humanity from Space*, Dokumenter, Public Broadcasting Service.
- Dick, Philip K., 1981, *The Man in the High Castle*, Berkley Books, New York.
- Fogg, Martyn J., 2000, "The Ethical Dimensions of Space Settlement" dalam *Jurnal Space Policy*, Vol. 16 No. 3.
- French, Robert Heath, 2013, *Environmental Philosophy and the Ethics of Terraforming Mars: Adding the Voices of Environmental Justice and Ecofeminism to the Ongoing Debate*, Tesis, University of North Texas, Texas.
- Gabbay, Dov; Thagard, Paul; Woods, John, 2009, *Handbook of the Philosophy of Science: Philosophy of Technology and Engineering Sciences*, North Holland, Amsterdam.
- Geothermal Energy Association 2016, 2016, "2016 Annual U.S. & Global Geothermal Power Production Report" dalam *Laporan Tahunan*, Terakhir Diperbarui 2016, Diambil dari <http://geo-energy.org/reports.aspx>, Diakses tanggal 22 Agustus 2017.
- Ginway, M. Elizabeth, 2005, "A Working Model for Analyzing Third World Science Fiction: The Case of Brazil" dalam *Jurnal Science Fiction Studies*, Vol. 32 No. 3 (Nov.).
- Hapsari, Safira Dwi, 2017, *Tanggung Jawab Ilmuwan Dalam Pengembangan Ilmu Militer*, Skripsi, Universitas Yogyakarta, Yogyakarta.
- Harris, Philip Robert, 2009, *Space Enterprise: Living and Working Offworld in the 21<sup>st</sup> Century*, Praxis Publishing Ltd., Chichester.
- Her Majesty Government, 2015, "National Space Policy" dalam *Laporan Kebijakan*, Terakhir Diperbarui 13 Desember 2015, Diambil dari <https://www.gov.uk/government/publications/national-space-policy>, Diakses tanggal 4 Mei 2018.
- \_\_\_\_\_, 2014, "National Space Security Policy" dalam *Laporan Kebijakan*, Terakhir Diperbarui 30 April 2014, Diambil dari <https://www.gov.uk/government/publications/national-space-security-policy>, Diakses tanggal 4 Mei 2018.
- iGEM Valencia Team 2010, 2010, "The Ethics of Terraforming Mars: A Review" dalam *Artikel Ilmiah*, Terakhir Diperbarui 2010, Diambil dari <http://2010.igem.org/Team:Valencia/Ethics>.
- Jones, Nicola, 2010, "Q&A: David Brin on Writing Fiction" dalam *Majalah Nature Opinion section*, Vol. 463 (Febr.), Terakhir Diperbarui 17 Februari 2010, Diambil dari <https://www.nature.com/articles/463883a>, Diakses tanggal 8 Mei 2018.
- Kerslake, Patricia, 2007, *Science Fiction and Empire*, Liverpool University Press, Liverpool.
- Krasinski, John, 2018, *A Quiet Place*, Film, Paramount Pictures.



- Lacey, Hugh, 1999, *Is Science Value Free? Values and Scientetific Understanding*, Routledge, London dan New York.
- Maizan, M. Fakhran, 2018, *Teknologi Realitas Virtual Ditinjau Dari Perspektif Metafisika IPTEK*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Marchesini, Roberto, 2015, "Against Anthropocentrism. Non-human Otherness and the Post-human Project" dalam *Jurnal Nanoethics*, Vol. 9.
- McKay, Christopher P.; Marinova, Margarita M., 2001, "The Physics, Biology, and Environmental Ethics of Making Mars Habitable" dalam *Jurnal Astrobiology*, Vol. 1 No. 1.
- Miller, Steven D.; Straka, William; Mills, Stephen P.; Elvidge, Christopher D.; Lee, Thomas F.; Solbrig, Jeremy E.; Walther, Andi; Heidinger, Andrew K.; Weiss, Stephanie C., 2013, "Illuminating the Capabilities of the Suomi National Polar-Orbiting Partnership (NPP) Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band" dalam *Jurnal Remote Sensing*, Vol. 5 No. 12.
- Moeloeok, F. A., 2002, "Etika dan Hukum Teknik Reproduksi Buatan" dalam *Artikel Ilmiah*, Terakhir Diperbarui 2014, Diambil dari <http://www.knepk.litbang.depkes.go.id/2014/wp-content/uploads/2014/08/human-cloning.pdf>, Diakses tanggal 9 Februari 2018.
- Murphy, Patrick D., 2009, "Engineering Planets, Engineering Ourselves: The Ethics of Terraforming and Areoforming in an Age of Climate Change" dalam *Jurnal Ecocritism*, Vol. 1. No. 1.
- NASA, 2018, "NASA, ULA Launch Mission to Study How Mars Was Made" dalam *Berita*, Terakhir Diperbarui 5 Mei 2018, Diambil dari <https://mars.nasa.gov/news/8333/nasa-ula-launch-mission-to-study-how-mars-was-made/>, Diakses tanggal 6 Mei 2018.
- \_\_\_\_\_, 2010, "National Space Policy of the United States of America" dalam *Laporan Kebijakan*, Terakhir Diperbarui 28 Juni 2010, Diambil dari [https://www.nasa.gov/sites/default/files/national\\_space\\_policy\\_6-28-10.pdf](https://www.nasa.gov/sites/default/files/national_space_policy_6-28-10.pdf), Diakses tanggal 4 Mei 2018.
- \_\_\_\_\_, 2018, "Seven Ways Mars InSight is Different" dalam *Berita*, Terakhir Diperbarui 5 Februari 2018, Diambil dari <https://mars.nasa.gov/news/8313/seven-ways-mars-insight-is-different/>, Diakses tanggal 3 Maret 2018.
- Otto, Eric, 2003, "Kim Stanley Robinson's Mars Trilogy and the Leopoldian Land Ethic" dalam *Jurnal Utopian Studies*, Vol. 14 No. 2.
- Pak, Chris, 2016, *Terraforming: Ecopolitical Transformations and Environmentalism in Science Fiction*, Liverpool University Press, Liverpool.



- Pniewski, Tomasz, 2013, "The Twenty-Year Story of a Plant-Based Vaccine Against Hepatitis B: Stagnation or Promising Prospects?" dalam *Jurnal Molecular Sciences*. Vol. 14.
- Poespowardojo, Michael Soerjanto; Seran, Alexander, 2016, *Filsafat Ilmu Pengetahuan, Hakikat Ilmu Pengetahuan, Kritik Terhadap Visi Positivisme Logis, Serta Implikasinya*, Penerbit Buku Kompas, Jakarta.
- Putera, Ramadi, 2017, *Determinisme Teknologi Dalam Perspektif Filsafat Teknologi Jean Francois Lyotard*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Rachmadita, Amanda, 2016, *Tanggung Jawab Ilmuwan Terhadap Bioterrorisme*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Sagan, Carl, 1971, "The Long Winter Model of Martian Biology: A Speculation" dalam *Jurnal Icarus*, Vol. 15.
- \_\_\_\_\_, 1973, "Planetary Engineering on Mars" dalam *Jurnal Icarus*, Vol. 20.
- Schmidt, Peter Allon Jr., 2010, *Terraforming: An Investigation of the Boundaries Between Science and Hard Science Fiction*, Disertasi, University of Minnesota, Minnesota.
- Schwartz, James S.J., 2013, "On the Moral Permissibility of Terraforming" dalam *Jurnal Ethic & The Environment*, Vol. 18. No. 2.
- Smyth, Edmund J., 2000, *Jules Verne: Narratives of Modernity*, Liverpool University Press, Liverpool.
- Suriasumantri, Jujun S., 2007, *Filsafat Ilmu, Sebuah Pengantar Populer*, Pustaka Sinar Harapan, Jakarta.
- Supriyono, Sachrizal Niqie, 2014, "Pengaturan Outer Space Treaty 1967 Terhadap Penelitian yang Dilakukan oleh Amerika Serikat di Planet Mars" dalam *Artikel Ilmiah*, Universitas Brawijaya, Malang.
- Susanti, Yenny, 2005, *Martabat Manusia Dalam Kloning Manusia*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Tao, Y.; Muller, J.-P., 2016, "A Novel Method for Surface Exploration: Super-resolution Restoration of Mars Repeat-pass Orbital Imagery" dalam *Jurnal Planetary and Space Science*, Vol. 121.
- Trisakti, Sonjoruri Budiani, 2013, *Tinjauan Filosofis Terhadap Perkembangan Ilmu Dan Teknologi*, Fakultas Filsafat, Yogyakarta.
- UNFCCC, 2006, *United Nations Framework Convention on Climate Change: Handbook*, Climate Change Secretariat, Bonn.
- UNOOSA, "Report of the Committee on the Peaceful Uses of Outer Space. Fifty-seventh session (11-20 June 2014)" dalam *Laporan Kebijakan*, 2014, Terakhir Diperbarui 9 September 2014, Diambil dari [http://www.unoosa.org/pdf/gadocs/A\\_69\\_20E.pdf](http://www.unoosa.org/pdf/gadocs/A_69_20E.pdf), Diakses tanggal 6 Mei 2018.



- Van Melsen, A. G. M., 1992, *Ilmu Pengetahuan dan Tanggung Jawab Kita*, Terjemahan K. Bertens, Gramedia Pustaka Utama, Jakarta.
- Verne, Jules, 2008, *From the Earth to the Moon*, Terjemahan Lowell Bair, Bantam Books, New York.
- Watloly, Aholiab, 2007, *Tanggung Jawab Pengetahuan, Mempertimbangkan Epistemologi Secara Kultural*, Penerbit Kanisius, Yogyakarta.
- Wright, Gordon P.; Chaturvedi, Alok R.; Mookerjee, Radha V.; Garrod, Susan, 1998, "Integrated Modeling Environments in Organizations: An Empirical Study" dalam *Jurnal Information Systems Research*, Vol. 9 No. 1 (Mar.).
- Yuliana, Fransisca, 2011, *Komunitas Ilmiah Dalam Rekayasa Bayi Tabung Ditinjau Dari Aspek Mertonian Norms*, Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Zubair, Achmad Charris, 2002, *Dimensi Etik dan Asketik Ilmu Pengetahuan Manusia*, Lesfi, Yogyakarta.