

## DAFTAR PUSTAKA

- Advena-Regnery, Barbara, dkk. 2018. *Framing the ethical and legal issues of human artificial gametes in research, therapy, and assisted reproduction: A German perspective*. *Bioethics*. 32. 314-326. 10.1111/bioe.12433. Diakses pada 1 Juli 2019.
- Alvial-Palavicino, Carla. 2015. "The Future as Practice: A Framework to Understand Anticipation in Science and Technology". *Tecnoscienza*, 6(2) hal. 135-172.
- An ohio academy of science white paper: "What are science, technology and engineering?" (2010). *The Ohio Journal of Science*, 110(3), 66-67. Retrieved from <https://www.proquest.com.ezproxy.ugm.ac.id/scholarly-journals/ohio-academy-science-white-paper-what-are/docview/868055973/se-2?accountid=13771>
- Ashshidqi, Miftahud Daroini. 2019. "Proyeksi Dampak Teknologi *Artificial General Intelligence* dan Tanggung Jawab Ilmuwan". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Aulia, Izzatin. 2018. "Tanggung Jawab Ilmuwan terhadap Reklamasi Teluk Jakarta". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Bakker, Anton, dan Achmad Charris Zubair. 1990. "Metodologi Penelitian Filsafat". Yogyakarta: Kanisius.
- Biblarz, T. J., dan Stacey, J. (2010). "How Does the Gender of Parents Matter?". *Journal of Marriage and Family*. 72(1), 3–22. DOI:10.1111/j.1741-3737.2009.00678.x
- Bridgstock, Martin, dkk. 1998. "Science, Technology, and Society". UK: Cambridge University Press.
- Bucchi, Massimiano. 2014. "Norms, competition and visibility in contemporary science: The legacy of Robert K. Merton". *Journal of Classical Sociology* 2015, 15(3) 233–252. DOI: 10.1177/1468795X14558766.
- Budianto, Irmayanti M. 2005. "Realitas dan Objektivitas: Refleksi Kritis Atas Cara Kerja Ilmiah". Jakarta: Wedatama Widya Sastra.
- Cutas, Daniella, dkk. 2014. "Artificial gametes: perspectives of geneticists, ethicists and representatives of potential users". *Med Health Care and Philos* (2014) 17: 339. DOI : 10.1007/s11019-013-9535-8. Diakses pada 20 Juli 2019.
- Cutas, D., Smajdor, A. 2017. "I am Your Mother and Your Father!" In Vitro Derived Gametes and the Ethics of Solo Reproduction. *Health Care Analysis* 25: 354–369 DOI: <https://doi.org/10.1007/s10728-016-0321-7>. Diakses pada 5 Februari 2020.

- Crew, Bec. 2015. *Two-Dad Babies Could Soon Be a Reality*. [sciencealert.com]. <https://www.sciencealert.com/two-dad-babies-could-soon-be-a-reality#>. Diakses pada 3 Juli 2019.
- Di Guilio, Gabriela, dkk. 2016. "Communicating through vulnerability: knowledge politics, inclusion and responsiveness in responsible research and innovation". *Journal of Responsible Innovation*, 3(2): 92-109. DOI: 10.1080/23299460.2016.1166036.
- Douglas, Heather E. 2003. "The Moral Responsibilities of Scientists (Tensions between Autonomy and Responsibility)". *American Philosophical Quarterly*, Vol. 40, No. 1 (Jan., 2003), pp. 59-68. [www.jstor.org/stable/20010097](http://www.jstor.org/stable/20010097). Diakses pada 25 Juli 2019.
- Douglas, T., Harding, C., Bourne, H., & Savulescu, J. 2012. "Stem cell research and same-sex reproduction" dalam M. Quigley, S. Chan, & J. Harris (Eds.), *Stem cells. New frontiers in science and ethics*. New Jersey: World Scientific.
- Genus, Audley. 2006. "Rethinking constructive technology assessment as democratic, reflective, discourse". *Technological Forecasting and Social Change*, 73(1): 13–26. DOI: 10.1016/j.techfore.2005.06.009.
- Greely, Henry T. 2016. "The End of Sex and The Future of Human Reproduction". USA: Harvard University Press.
- Guston, David H. 2013. "'Daddy, Can I Have a Puddle Gator?': Creativity, Anticipation, and Responsible Innovation" dalam Richard Owen, dkk., *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*. UK: Wiley.
- Halim, Danny, dkk. 2010. "Stem Cell: Dasar Teori dan Aplikasi Klinis". Jakarta: Penerbit Erlangga.
- Halimah, Mimi. 2018. "Pandangan Aksiologi Terhadap Surrogate Mother". *Jurnal Filsafat Indonesia*, I(2): 51-56. DOI: <http://dx.doi.org/10.23887/jfi.v1i2.13989>
- Hapsari, Safira Dwi. 2017. "Tanggung Jawab Ilmuwan dalam Pengembangan Ilmu Militer". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Hasegawa, Ai. 2016. *(Im)possible baby : how to stimulate discussions about possibilities of two-mum and two-dad children*. (Tesis). US. Massachusetts Institute of Technology, School of Architecture and Planning, Program in Media Arts and Sciences. Online : <https://dspace.mit.edu/handle/1721.1/107564>. Diakses pada 15 Mei 2019.
- Hidayat, Bambang. 2001. "Sinergi Ilmu Pengetahuan, Teknologi, dan Rekayasa dalam Konteks Pembangunan Indonesia". *Jurnal Ketahanan Nasional* 2001, VI (3): 57-69.

- Jacob, T. 1986. "Kecenderungan dalam Perkembangan Ilmu dan Teknologi Kedokteran pada Awal Abad XXI". *Berkala Ilmu Kedokteran* 1986, XVIII (2): 65-72.
- KBBI Daring. <https://kbbi.kemdikbud.go.id/>. Diakses pada 10 Januari 2021.
- Kim, So Young, dan Kim Yoonhoo. 2018. "The Ethos of Science and Its Correlates: An Empirical Analysis of Scientists' Endorsement of Mertonian Norms". *Science, Technology and Society*, 23(1):1-24. DOI:10.1177/0971721817744438
- Lee, Robert G., dan Judith Petts. 2013. "Adaptive Governance for Responsible Innovation", dalam Richard Owen, dkk., *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*. UK: Wiley.
- Lubberink, Rob, dkk. 2017. "Lessons for Responsible Innovation in the Business Context: A Systematic Literature Review of Responsible, Social and Sustainable Innovation Practices". *Sustainability*, 9(5), 721. DOI:10.3390/su9050721 .
- MacKellar, Callum. 2015. "Representative Aspects of Some Synthetic Gametes". *The New Bioethics*, 21:2, 105-116. DOI: 10.1179/2050287715Z.000000000061.
- Manning, Wendy D., Marshal Neal Fetto, dan Esther Lamidi. 2014. "Child Well-Being in Same-Sex Parent Families: Review of Research Prepared for American Sociological Association Amicus Brief". *Popul Res Policy Rev*. DOI: 10.1007/s11113-014-9329-6.
- Mertes, Heidi, dan Guido Pennings. 2008. "Embryonic Stem Cell-Derived Gametes and Genetic Parenthood: A Problematic Relationship". *Cambridge Quarterly of Healthcare Ethics* (2008), 17, 7-14. DOI: 10.1017/S096318010808002X.
- Merton, Robert K. 1979. "The Sociology of Science: Theoretical and Empirical Investigations". USA: The University of Chicago Press.
- Mitcham, Carl. 1994. "Thinking through Technology: The Path between Engineering and Philosophy". USA: The University of Chicago Press.
- Moreno, Inmaculada, dkk. 2015. "Artificial gametes from stem cells". *Clin Exp Reprod Med* 2015;42(2):33-44. DOI : <http://dx.doi.org/10.5653/cerm.2015.42.2.33>
- Newson, A.J., dan A.C. Smajdor. 2005. "Artificial gametes: new paths to parenthood?". *Journal of Medical Ethics* 2005;31:184-186. DOI: <http://dx.doi.org/10.1136/jme.2003.004986>
- Nurcahyo, Fajar. 2018. "Tanggung Jawab Ilmuwan terhadap Upaya Terraforming". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.

- Owen, Richard, dkk. 2013. "Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society". UK: Wiley.
- Rachmadita, Amanda. 2017. "Tanggung Jawab Ilmuwan terhadap Bioterrorisme". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Radder, Hans. 2009. "Science, Technology and The Science-Technology Relationship" dalam Dov M. Gabbay, dkk., *Handbook of The Philosophy of Science: Philosophy of Technology and Engineering Sciences*. Belanda: Elsevier.
- Rodriguez, Victor. 2007. "Merton and Ziman's modes of science: the case of biological and similar material transfer agreements". *Science and Public Policy*, 34(5), 355–363. DOI:10.3152/030234207x228575.
- Sagita, Sylva. 2020. "Kontroversi Penelitian dan Terapi Sel Induk (Stem Cells) dalam Pandangan Etika Sains". *Jurnal Filsafat Indonesia*, III: 2, hal. 54-62. DOI : 10.23887/jfi.v3i2.22287
- Sandra, Ferry, dkk. (2008). "Potensi terapi sel punca dalam dunia kedokteran dan permasalahannya". *Maranatha Journal of Medicine and Health*, Vol. 8, No. 1, hal. 94-100.
- Serour, G. ., & Dickens, B. . (2001). "Assisted reproduction developments in the Islamic world". *International Journal of Gynecology & Obstetrics*, 74(2): 187–193. DOI:10.1016/s0020-7292(01)00425-8.
- Sismondo, Sergio. 2010. "An Introduction to Science and Technology Studies". UK: Wiley-Blackwell.
- Suriasumantri, Jujun S. 1985. "Filsafat Ilmu: Sebuah Pengantar Populer". Jakarta: Sinar Harapan.
- Suriasumantri, Jujun S. 1986. "Ilmu dalam Perspektif Moral, Sosial, dan Politik". Jakarta: PT Gramedia.
- Smajdor, Anna. 2019. "An alternative to sexual reproduction: artificial gametes and their implications for society". *British Medical Bulletin*, 129:5–11. DOI: 10.1093/bmb/ldz001.
- Smajdor, Anna, dan Daniela Cutas. 2015. "Will Artificial Gametes End Infertility?". *Health Care Analysis*. 23: 134. DOI: <https://doi.org/10.1007/s10728-013-0268-x>. Diakses pada 19 Juli 2019.
- Suter, Sonia M. 2015. "In vitro gametogenesis: just another way to have baby?" . *Journal of Law and Biosciences*, hal. 87-119. DOI:10.1093/jlb/lsv057.
- Sykes, Kathy, dan Phil Macnaghten. 2013. "Responsible Innovation – Opening Up Dialogue and Debate" dalam Richard Owen, dkk., *Responsible Innovation: Managing the Responsible Emergence of Science and Innovation in Society*. UK: Wiley.

- Trisakti, Sonjoruri Budiani. 2013. "Tinjauan Filosofis terhadap Perkembangan Ilmu & Teknologi". Yogyakarta: Fakultas Filsafat UGM.
- Turner, Stephen, dan Gregory Mccreery. 2015. "Scientific Norms?Counternorms". *The Blackwell Encyclopedia of Sociology*. DOI :10.1002/9781405165518.wbeoss052.pub2
- Van Melsen, A. G. M. 1985. Ilmu Pengetahuan dan Tanggung Jawab Kita. Terjemahan K. Bertens. Jakarta: Gramedia Pustaka Utama.
- Wardiana, Andri. 2015. "Potensi Sel Punca Pluripotensi Terinduksi sebagai Generasi Baru untuk Terapi". *BioTrends*, I(1): 18-21. (lipi.go.id). Diakses pada 20 Februari 2021.
- West, Franklin. D., dkk. 2013. "In Vitro-Derived Gametes from Stem Cells". *Semin Reprod Med*, 31(01): 33-38. DOI: 10.1055/s-0032-1331795.
- Yuliana, Fransisca. 2011. "Komunitas Ilmiah dalam Rekayasa Bayi Tabung Ditinjau dari Aspek *Mertonian Norms*". [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Ziman, John. 1985. "An Introduction to Science Studies: The Philosophical and Social Aspects of Science and Technology". UK: Cambridge University Press.
- Ziman, John. 2000. "Real Science: What It Is, and What it Means". UK: Cambridge University Press.