

DAFTAR PUSTAKA

- Adler, Ronald J. (2021). *General Relativity and Cosmology: A First Encounter*. Cham, Switzerland: Springer.
- Astraatmadja, Tri L. (2017). Arah Gerak Dunia: Dari Geosentris ke Heliosentris (Bagian 5). *Indoprogress*. <https://indoprogress.com/2017/07/arrah-gerak-dunia-dari-geosentris-ke-heliosentris-bagian-5/>
- Bakker, A. dan Achmad Chairis Zubair. (1990). *Metode Penelitian Filsafat*. Yogyakarta: Kanisius
- Brading, Katherine dan Crull, Elise. (2017). Epistemic Structural Realism and Poincare's Philosophy of Science. *Hopos: The Journal of the International Society for the History of Philosophy of Science*, 7(1):108-129. DOI: 10.1086/691138
- Britannica, T. Editors of Encyclopaedia (2023). Newton's laws of motion. *Encyclopedia Britannica*. <https://www.britannica.com/science/Newton-s-laws-of-motion>
- Cheng, Ta-Pei. (2005). *Relativity, Gravitation and Cosmology: A Basic Introduction*. Oxford University Press.
- Dawid, R. dan Hartmann, S. (2018). The No Miracles Argument Without The Base Rate Fallacy. *Synthese*, 195: 4063–4079. <https://doi.org/10.1007/s11229-017-1408-x>
- Djudin, Tomo. (2021). *Pengantar Fisika Modern*. Sleman: Deepublish.

Einstein, Albert. (1920). *Relativity: The Special and the General Theory*. (Robert W.

Lawson, Trans). New York: Henry Holt and Company.

Fauzi, Muhammad Zufar. (2016). *Teori Relativitas Albert Einstein Dalam Perspektif*

Sosiologi Ilmu. Skripsi Sarjana. Universitas Gadjah Mada.

Fleury, Pierre. (2019). *Gravitation: From Newton to Einstein*. New York City: Springer

Cham

Gregersen, Erik. (2021). Cosmological Constant. *Encyclopedia Britannica*.

<https://www.britannica.com/science/cosmological-constant>

Hanson-Park, Jared Alexander. (2022). *A Defense of Epistemic Structural Realism*.

Doctoral dissertations. University of Miami. Retrieved from

<https://scholarship.miami.edu/esploro/outputs/doctoral/A-Defense-of->

[Epistemic-Structural-Realism/991031713218002976#files_and_links](#)

Sprenger, Jan. (2016). The Probabilistic No Miracle Argument. *Euro Jnl Phil Sci*, 6:

173-189. <https://doi.org/10.1007/s13194-015-0122-0>

Ladyman, James. (1998). What is Structural Realism?. *Studies in History and*

Philosophy of Science Part A, 29(3): 409-424. [https://doi.org/10.1016/S0039-3681\(98\)80129-5](https://doi.org/10.1016/S0039-3681(98)80129-5).

Laudan, Larry. (1981). A Confutation of Convergent Realism. *Philosophy of Science*,

48(1): 19-49. <https://www.jstor.org/stable/187066>

Mattson, Barb. (2015). 100 Years of General Relativity. *National Aeronautics and*

Space Administration. <https://asd.gsfc.nasa.gov/blueshift/index.php/2015/11/>

[25/100-years-of-general-relativity/](#)



UNIVERSITAS
GADJAH MADA

KESINAMBUNGAN TEORI ILMIAH DALAM SUDUT PANDANG REALISME STRUKTURAL EPISTEMIK:
DARI NEWTON MENUJU

EINSTEIN

Fradit Sadhuwan Javarher, Dr. Sindung Tjahyadi; Drs. Imam Wahyudi, M.Hum

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- McCrory, A.R. (2018). Scientific Enquiry and Engaging Primary-Aged Children In Science Lessons (Part 2); Why Teach Science Via Enquiry?. *Semantic Scholar*. <https://www.semanticscholar.org/paper/Scientific-enquiry-and-engaging-prime-ary-aged-in-2> %3BMcCrory/13a96d44001af3959c6b4d87e2e1239fd5a42109
- Miller, Boaz. (2016). What is Hacking's Argument for Entity Realism?. *Synthese*, 193: 991-1006. <https://doi.org/10.1007/s11229-015-0789-y>
- Musgrave, Alan. (1992). Realism About What?. *Philosophy of Science*, 59(4): 691-698. <https://www.jstor.org/stable/188137>
- Ni, Wei-Tou. (2017). Genesis of general relativity – A concise exposition. *International Journal of Modern Physics D*, 25(14): 163004-1 – 163004-24. <https://doi.org/10.1142/S0218271816300044>
- Newton, Isaac. (1846). *Newton Principia: The Mathematical Principles of Natural Philosophy*. (Andrew Motte, Trans.). 45 Liberty Street: Daniel Adee.
- Nordtvedt, K. L. , Cook, . Alan H. dan Faller, . James E. (2022). Gravity. *Encyclopedia Britannica*. <https://www.britannica.com/science/gravity-physics>
- Papaspirou, Panagiotis dan Xenophon Moussas. (2013). A Brief Tour Into The History of Gravity: From Emocritus to Einstein. *American Journal of Space Science*, 1(1): 33-45. doi:10.3844/ajssp.2013.33.45
- Pratama, Panji Tyas. (2009). *Perubahan Ilmiah dari Fisika Newton ke Fisika Einstein Dalam Perspektif Revolusi Ilmiah Thomas Kuhn*. Skripsi Sarjana. Universitas Gadjah Mada

- Perkowitz, Sidney. (2023). Relativity. *Encyclopedia Britannica*. Retrieved from <https://www.britannica.com/science/relativity>
- Rosyid, Amalia Chairunnisa. (2021). *Program Riset Ilmiah Imre Lakatos Dalam Perkembangan Teori Gravitasi Albert Einstein*. Skripsi Sarjana. Universitas Gadjah Mada
- Subagyo A., Bintoro dan Muhammad Ramadhan. (2016). Pengaruh Konstanta Kosmologi Terhadap Model Standar Alam Semesta. *Jurnal Sains dan Seni ITS*, 5(2): B-108 – B-109. https://ejurnal.its.ac.id/index.php/sains_seni/article/download/18671/2882
- Surpelli, Karlina. (2013). Bingkai Kurus Realisme Struktural Epistemik. Diskursus, 12(2): 153-190. <https://doi.org/10.36383/diskursus.v12i2.102>
- Temple, Blake, Craig A. Tracy. (1992). From Newton to Einstein. *The American Mathematical Monthly*, 99(6): 507-521. <https://doi.org/10.2307/2324058>
- Urone, Paul Peter, Roger Hinrichs. (2022). *College Physics 2e*. Texas: OpenStax
- Worral, John. (1989). Structural Realism: The Best of Both Worlds?. *Dialectica*, 43(1/2): 99-124. <https://www.jstor.org/stable/42970613>
- Worral, John. (2020). Structural Realism: The Only Defensible Realist Game in Town? In Wenceslao J. Gonzalez (ed.), *New Approaches to Scientific Realism*. De Gruyter: 169-205. DOI: 10.1515/9783110664737-009