

DAFTAR PUSTAKA

- Agazzi, Evandro, Massimo Pauri. 2000. *The Reality of the Unobservable*. Dordrecht: Springer Science+Business Media.
- Ainsworth, Peter M. 2010. "What is Ontic Structural Realism?" dalam *Studies in History and Philosophy of Modern Physics*, 41. Hal. 50-57.
- Bain, J. J. Norton. 2001. "What Should Philosophers of Science Learn from the History of the Electron" dalam Buchwald dan Warwick (ed). Hal. 451-465.
- Bakker, Anton & A.C. Zubair. 2013. *Metodologi Penelitian Filsafat*. Yogyakarta: Kanisius.
- Bokulich, Peter, Alisa Bokulich (ed.). 2011. *Scientific Structuralism*. Dordrecht, Heidelberg, London, New York: Springer.
- Brown, H. 1993. "Correspondence, Invariance and Heuristics in the Emergence of Special Relativity" dalam French dan Kaminga (ed.). Hal. 227-260.
- Buchwald, J. Z., A. Warwick (ed). 2001. *Histories of the Electron*. MA: MIT Press.
- Bueno, Otávio, Steven French, dan James Ladyman. 2002. "On Representing the Relationship between the Mathematical dan the Empirical" dalam *Philosophy of Science*, Vol. 69, No. 3. Hal. 452-473.
- Cao, Tian Yu. 2006. *Structural Realism and Quantum Gravity*, dalam Dean Rickles, Steven French Juha Saatsi (ed.). Hal. 40-47.
- Cartwright, N., T. Shomar, M. Suarez. 1996. "The Tool Box of Science (Tools for Building of Models with a Superconductivity Example)" dalam W. E. Herfel, dkk. (ed.). Hal. 137-149.
- Carnap, Rudolf. 1956. "The Methodological Character of Theoretical Concept" dalam H. Feigl dan M. Scriven (ed.). Hal. 38-76.
- Chalmers, A. F.. 1976. *What is This Thing Called Science?*. Queensland: University of Queensland Press.
- Chakravartty, Anjan. 2001. "The Semantic or Model-Theoretic View of Theories and Scientific Realism" dalam *Synthese*, 127. Hal. 325-345.
- _____. 2007. *A Metaphysics for Scientific Realism*. Cambridge: Cambridge University Press.

- Chao, Hsiang-Ke, Julian Reiss (ed.). 2017. *Philosophy of Science in Practice*. Switzerland: Springer.
- Cheyne, C. dan J. Worrall (ed.). 2006. *Ratioanlity and Reality*. Netherland: Springer.
- Clarke, Steve, Timothy D. Lyons (ed.). 2002. *Recent Themes in the Philosophy of Science*. Dordrecht: Springer Science+Business Media.
- Curd, Martin dan Stathis Psillos (ed.). 2014. *The Routledge Companion to Philosophy of Science*. London, New York: Routledge.
- Da Costa, Newton, Steven French. 1990. "The Model-Theoretic Approach in the Philosophy of Science", dalam *Philosophy of Science*, Vol. 57. Hal. 248-265.
- _____. 2003. *Science and Partial Truth*. Oxford: Oxford University Press.
- Dilworth, Craig. 2006. *The Metaphysics of Science*. Dordrecht: Springer.
- DiSalle, Robert. 1994. "On Dynamics, Indiscernibility, and Spacetime Ontology" dalam *British Journal for the Philosophy of Science*, 45. Hal. 265-287.
- Elgin, Catherine Z.. 2010. "Telling Instances" dalam Frigg dan Hunter (ed.), *Beyond Mimesis and Convention*. Hal. 1-18.
- Esfeld, Michael, Vincent Lam. 2011. "Ontic Structural Realism as a Metaphysics of Objects" dalam Bokulich dan Bokulich (ed.). Hal. 143-160.
- Fahrbach, Ludwig. 2011. "How Growth of Science Ends Theory Change" dalam *Synthese*, Vol. 180, No. 2. Hal. 139-155.
- Feigl, H. dan M. Scriven (ed.), *Minnesota Studies in the Philosophy of Science, vol. 1: The Foundations of Science and the Concepts of Psychology and Psychoanalysis*. Minneapolis: University of Minnesota Press.
- French, Steven. 2010. "Keeping quiet on the Ontology of Models" dalam *Synthese*, Vol. 172, No. 2. Hal. 231-249.
- _____. 2010b. "The Interdependence of Structure, Objects, and Dependence" dalam *Synthese*, Vol. 175. Hal. 89-109.
- _____. 2014a. "The Structure of Theories" dalam Martin Curd dan Stathis Psillos (ed.), *The Routledge Companion to Philosophy of Science*. Hal. 301-312.
- _____. 2014b. *The Structure of the World: Metaphysics and Representation*. Oxford: Oxford University Press.

- French, Steven, H. Kamminga. 1993. *Correspondence, Invariance and Heuristics: Essays in Honour of Heinz Post, Boston Studies in Philosophy of Science, Vol 148*. Dordrecht: Kluwer.
- French, Steven, M. Redhead. 1988. "Quantum Physics and the Identity of Indiscernibles" dalam *British Journal for the Philosophy of Science*, 39. Hal. 233-246.
- French, Steven dan James Ladyman. 1999. "Reinflating the Semantic Approach" dalam *International Studies in the Philosophy of Science*. 13. Hal. 103-121.
- _____. 2003. "Remodelling Structural Realism: Quantum Physics and the Metaphysics of Structure" dalam *Synthese*, Vol. 136. Hal. 31-56.
- Friedman, M. 1983. *Foundations of Space-Time Theories: Realistic Physics and Philosophy of Science*. Princeton: Princeton University Press.
- Frigg, Roman. 2002. "Models and Representation: Why Structure are not Enough", *Measurement in Physics and Economics Project Discussion Paper Series*, DP MEAS 25/02.
- Frigg, Roman, Matthew C. Hunter. 2010. *Beyond Mimemesis and Convention*. London, New York: Springer.
- Frigg, Roman, Ioannis Votsis. 2011. "Everything You Always Wanted to Know About Struktural Realism but were Afraid to Ask" dalam *European Journal for Philosophy of Science*, Vol. 1. Hal. 227-276.
- Frigg, Roman, James Nguyen. 2017. "Scientific Representation is Representation-as" dalam Chao, Hsiang-Ke, Julian Reiss (ed.). Hal. 149-180.
- Giere, Ronald N. 1988. *Explaining Science: A Cognitive Approach*. London: University of Chicago Press.
- _____. 2001. "Theories" dalam Newton-Smith, W. H. (ed.). Hal. 515-524.
- Goodman, Nelson. 1976. *Languages of Art*. Indianapolis, Cambridge: Hackett.
- Hartman, Stephan, Carl Hoefer, Luc Bovens (ed.). 2008. *Nancy Cartwright's Philosophy of Science*. New York: Routledge.
- Herfel, W. E. dkk. (ed.). 1996. *Theories and Models in Scientific Progress*. Amsterdam: Rodopi.

- Huges, R. I. G.. 1997. "Model and Representation" dalam *PSA 1996: Proceedings of the 1996 Biennial Meeting of Philosophy of Science Association*, vol. 2. East Lansing, MI: Philosophy of Science Association. Hal. S325-S336.
- Jeevanjee, Nadir. 2011. *An Introduction to Tensors and Group Theory for Physicists*. New York, Dordrecht, Heidelberg, London: Springer.
- Jones, Roger. 1991. "Realism about What?" dalam *Philosophy of Science*, 58. Hal. 185-202.
- Ladyman, James. 1998. "What is Structural Realism?" dalam *Study of History and Philosophy of Science*, Vol. 29, No. 3. Hal. 409-424.
- _____. 2001. "Science, Metaphysics and Structural Realism" dalam *Philosophica*, 67. Hal. 57-76.
- _____. 2012. "Science, Metaphysics and Method" dalam *Philosophical Studies: And International Journal for Philosophy in the Analytic Tradition*, Vol. 160, No. 1, Metaphysics and Science, Agustus 2012. Hal. 31-51.
- _____. 2018. "Introduction: Structuralist of the World Unite" dalam *Studies in History and Philosophy of Science*. <https://doi.org/10.1016/j.shpsa.2018.12.004>
- Ladyman, James, Don Ross. 2007. *Every Thing Must Go*. Oxford, New York: Oxford University Press.
- Landry, Elaine M., Dean P. Rickles. 2012. *Structural Realism*. London, New York: Springer.
- Laudan, Lary. 1981a. *Science and Hypothesis*. Dordrecht: D. Reidel.
- _____. 1981b. "A Refutation of Convergent Realism" dalam *Philosophy of Science*, Vol. 48. Hal. 19-49.
- Laudan, Lary, Jarret Leplin. 1991. "Empirical Equivalence and Underdetermination" dalam *The Journal of Philosophy*, 88. Hal. 449-472.
- Leplin, Jarret. 2001. "Realism and Instrumentalism" dalam Newton-Smith, W. H. (ed.). Hal. 393-404.
- Lyons, Timothy D., Steve Clarke. 2002. "Introduction: Scientific Realism and Commonsense" dalam Clarke, Lyons (ed.). Hal. ix-xxiii.
- Lyre, Holgar. 2004. "Holism and Structuralism in U(1) Gauge Theory" dalam *Studies in History and Philosophy of Modern Physics*, Vol. 35. Hal. 643-670.

- McMullin, Ernan. 2007. "Taking an Empirical Stance" dalam Monton (ed.). Hal. 167-182.
- Morgan, M. dan Morrison, M. (ed.). 1999. *Models as Mediators*. Cambridge: Cambridge University Press.
- Monton, Bradley (ed.). 2007. *Images of Empiricism*. Oxford: Oxford University Press.
- Morrison, M. 1999. "Models as Autonomous Agents" dalam Morgan, M. dan Morrison, M. (ed.). Hal. 38-65.
- _____. 2008. "Models as Representational Structure" dalam Hartman, dkk. (ed.). Hal. 67-90.
- Musgrave, A. 1988. "The Ultimate Argument for Scientific Realism" dalam Nola (ed.). Hal. 229-252.
- _____. 1999. *Essay on Realism and Rationalism*. Amsterdam: Rodopi.
- Newton-Smith, W. H. (ed.). 2001. *A Companion to the Philosophy of Science*. Massachusetts: Blackwell Publishers Inc..
- Nola, Robert. 1988. *Realism and Relativism in Science*. Dordrecht, Boston: Kluwer.
- _____. 2006. "The Metaphysics of Realism and Structural Realism" dalam Cheyne dan Worrall (ed.). Hal. 183-223.
- O'Hear, A.. 2001. *Philosophy at the New Millenium*. Cambridge: Cambridge University Press.
- Pierce, C. S.. 1958. *Collected Papers, Vol. 5*. Cambridge: Harvard University Press.
- Pincock, Christopher. 2012. *Mathematics and Scientific Representation*. Oxford, New York: Oxford University Press, Inc..
- Plank, Max. 1992. "Die Einheit des physikalischen Weltbildes" dalam *Physikalisches Zeitschrift* 10 (1909). Hal 62-75. Seksi 4, diterjemahkan dalam Blackmore 1992.
- Poincaré, Henry. 1952. *Science and Hypothesis*. New York: Dover Publications.
- Portides, Demetris. 2014. "Models" dalam Martin Curd dan Stathis Psillos (ed.), *The Routledge Companion to Philosophy of Science*. Hal. 429-439.
- Psillos, Stathis. 2009. *Knowing the Structure of Nature*. London: Palgrave Macmillan.

- Putnam, Hilary. 1975. *Mathematics, Matter and Method*. Cambridge: Cambridge University Press.
- Ray, Christopher. 2001. "Logical Positivism" dalam Newton-Smith, W. H. (ed.). Hal. 243-251.
- Redhead, M. L. G.. 2001. "The Intelligibility of the Universe", dalam O'Hear (ed.). Hal. 73-90.
- Rickles, Dean, Steven French Juha Saatsi (ed.), 2006, *The Structural Foundation of Quantum Gravity*, Oxford University Press, Oxford.
- _____. 1996. "Scientific Realism and the 'Pessimistic Induction'", dalam *Philosophy of Science*, 63. Hal. 306-314.
- Russell, Bertrand. 2001. "On Denoting" dalam Martinich dan Sosa (ed.), *Analytic Philosophy*. Hal. 32-40.
- Saunders, S. 1993. "To What Physics Corresponds" dalam French dan Kamminga (ed.). Hal. 195-325.
- Scheibe, Edhard. 2000. "The Origin of Scientific Realism: Boltzman, Planck, Einstein" dalam Agazzi dan Pauri (ed.). Hal. 31-44.
- Schindler, Samuel. 2018. *Theoretical Virtues in Science*. Cambridge: Cambridge University Press.
- Suárez, Mauricio. 2003. "Scientific Representation: Against Smilarity and Isomorphism" dalam *International Studies in the Philosophy of Science*, 17 (3). Hal. 225-244.
- _____. 2004. "An Inferential Conception of Scientific Representation" dalam *Philosophy of Science* 71. Hal 767-779.
- _____. 2015. "Deflationary Representation, Inference, and Practice" dalam *Studies in History and Philosophy of Science*, 49. Hal. 36-47.
- Suppe, F.. 1972. "What's wrong with the Received View on the Structure of Scientific Theories?" dalam *Philosophy of Science*, Vol. 39, No. 1, Maret. Hal. 1-19.
- _____. 1974. *The Structure of Scientific Theories*. Urbana: University of Illionis Press.
- _____. 1989. *The Semantic Conception of Theories and Scientific Realism*. Urbana, Chicago: University of Illionis Press.

- _____. 2000. "Understanding Scientific Theories: AN Assessment of Developments, 1969-1998" dalam *Philosophy of Science*, Vol. 67, Supplement. Proceedings of the 1998 Biennial Meetings of the Philosophy of Science Association. Part II: Symposia Papers (September). Hal. S102-S115.
- Teller, P. 1990. "Prolegomenon to a Proper Interpretation of Quantum Field Theory" dalam *Philosophy of Science*, 57. Hal. 594-618.
- Van Fraassen, Bas. 1980. *The Scientific Image*. Oxford: Oxford University Press.
- _____. 1989. *Laws and Symmetry*. Oxford: Oxford University Press.
- _____. 1991. *Quantum Mechanics: An Empiricist View*. Oxford: Oxford University Press.
- _____. 2008. *Scientific Representation*. Oxford: Oxford University Press.
- Votsis, Ioannes. 2012. "How Not to Be a Realist" dalam Landry, Rickles (ed.). Hal. 59-76.
- Weyl, H. 1931. *The Theory of Groups and quantum mechanics*. London: Methuen.
- Wigner, E. 1959 *Group Theori and Its Application to the Quantum Mecanics of Atomic Spectra*. New York: Academic Press.
- Worrall, John. 1989. "Structural Realism: the Best of Both Worlds?" dalam *Dialectica*, 43. Hal. 99-124.