DAFTAR PUSTAKA

Alm, S. E., 2006, Simple Random Walk, *The Lace Expansion and its Applications,* 2002, pp. 1–24.

Angstmann, C. N., Donelly I. C., Henry B.I., dan Nichols J. A., 2015, A discrete time random walk model for anomalous diffusion, *Journal of Computational Physics*. Elsevier Inc., 293, pp. 53–69.

Arridge, S. R. dan Hebden, J. C., 1997, Optical imaging in medicine: II. Modelling and reconstruction, *Physics in Medicine and Biology*, 42(5), pp. 841–853.

Belotserkovskii, O. M. dan Khlopkov, Y. I., 2010, *Monte Carlo Methods in Mechanics of Fluid and Gas*, 1 ed. Danvers, World Scientific Publishing Co. Pte. Ltd.

Border, K., 2017, *Simple Random Walk*, *Introduction to Probability and Statistics*. California.

Carey, F., 2008, *Aromatic compound | chemical compound*, *Britannica*. Tersedia pada: https://www.britannica.com/science/aromatic-compound (Diakses: 15 Juli 2020).

Christivana, M., 2015, Dinamika Model Spin XY 2 Dimensi, *Skripsi*, Jurusan Fisika FMIPA UGM, Yogyakarta

Codling, E. A., Plank, M. J. dan Benhamou, S., 2008, Random walk models in biology, *Journal of the Royal Society Interface*, 5(25), pp. 813–834.

Darmawan, A., 2017, Kajian Teoretis Kromodinamika Kuantum Kisi, *Skripsi*, Jurusan Fisika FMIPA UGM, Yogyakarta.

Dekking, F. M., Kraaikamp C., Lopuhaa H. P., dan Meester L. E., 2005, *A Modern Introduction to Probability and Statistics*. Delfi, Springer.

DeVries, P. L., 1994, *A First Course in Computational Physics,* Oxford, John Wiley & Sons, Inc.

Durrett, R., 1993, *Probability: Theory and Examples.* 5 ed. Cambridge, Cambridge University Press. doi: 10.2307/2532227.

Dutang, C. dan Wuertz, D., 2009, A note on random number generation, *Modern Electric Power Systems*, 1(9), pp. 1–30.

Fama, E. F., 1995, Random Walks in Stock Market Prices, *Financial Analysts Journal*, 51(1), pp. 75–80. doi: 10.2469/faj.v51.n1.1861.

Farhang-Boroujeny, B., Zhu, H. dan Shi, Z., 2006, Markov chain Monte Carlo algorithms for CDMA and MIMO communication systems, *IEEE Transactions on Signal Processing*, 54(5), pp. 1896–1909. doi: 10.1109/TSP.2006.872539.

Felderhof, B. U., 1978, Diffusion of interacting Brownian particles, *Journal of Physics A: Mathematical and General*, 11(5), pp. 929–937. doi: 10.1088/0305-4470/11/5/022.

Gall, J.-F. Le, 2016, *Brownian Motion, Martingales, and Stochastic Calculus*. 2 ed. Orsay, Springer.

Gentle, J. E., 1998, *Random Number Generation and Monte Carlo Method*. 2 ed. Diedit oleh J. Chambers et al. Virginia, Springer.

Gudbjartsson, H. dan Patz, S., 1995, NMR Diffusion Simulation Based on Conditional Random Walk, *IEEE Transactions on Medical Imaging*, 14(4), pp. 636–642. doi: 10.1109/42.476105.

Hall, C. D., 1975, The simulation of particle motion in the atmosphere by a numerical random-walk model, *Quarterly Journal of the Royal Meteorological Society*, 101(428), pp. 235–244.

Hammersley, J. M. dan Handscomb, D. C., 1964, *Monte Carlo Methods*. Diedit

oleh M. S. Bartlett. New York, Halsted Press.

Jagannatam, A., 2008, Mersenne Twister – A Pseudo Random Number Generator and its Variants, *ACM Transactions on Modeling and Computer Simulation*, 8(1), pp. 3–30.

Kosmidis, K. dan Dassios, G., 2019, Monte Carlo simulations in drug release, *Journal of Pharmacokinetics and Pharmacodynamics*. Springer US, 46(2), pp. 165–172. doi: 10.1007/s10928-019-09625-8.

Liu, D. L., 2010, *Particle Deposition onto Enclosure Surfaces*. First Edit, *Developments in Surface Contamination and Cleaning: Particle Deposition, Control and Removal*. First Edit. Elsevier Inc.

Marsaglia, G., Zaman, A. dan Wan Tsang, W., 1990, Toward a universal random number generator, *Statistics and Probability Letters*, 9(1), pp. 35–39.

Matsumoto, M. dan Nishimura, T., 1998, Mersenne Twister: A 623-Dimensionally Equidistributed Uniform Pseudo-Random Number Generator, *ACM Transactions on Modeling and Computer Simulation*, 8(1), pp. 3–30.

Mehrer, H. dan Stolwijk, N., 2009, Heroes and highlights in the history of diffusion, *Diffusion Fundamentals*, 11(1), pp. 1–32.

Min, M., Dullemond C. P., Dominik C., Koter A. de, dan Hovenier J.W., 2009 Radiative transfer in circumstellar disks, *Astronomy and Astrophysics*, 498(3), pp. 793–800. doi: 10.1051/0004-6361/200811536.

Mizuhata, Y. dan Tokitoh, N., 2017, *Silaaromatics and Related Compounds*, *Organosilicon Compounds: Theory and Experiment (Synthesis)*. Elsevier Inc.

Nasution, S. D., 2013, Penerapan metode linier kongruendan algoritma vigenère chiper pada aplikasi sistem ujian berbasis lan, *Pelita Informatika Budi Darma*, IV(1), pp. 94–102.

Newman, M. E. J. dan Barkema, G. T., 1999, *Monte Carlo Methods in Statistical Physics*. 1 ed. Oxford, Oxford University Press.

Nguyen, T. dan Dai, M., 2008, Mean Free Path, *IUPAC Compendium of Chemical Terminology*. doi: 10.1351/goldbook.m03778.

Oliphant, T. E., 2007, Python for Scientific Computing Python Overview, *Computing in Science and Engineering*, pp. 10–20.

Owen, A. B., 2018, Non Uniform Random Number, in *Monte Carlo Theory, Methods and Example*. California, Stanford University Press.

Page, L., Brin L., Sergev, Motwani, Rejeev, Winograd dan Terry, 1999, The PageRank Citation Ranking: Bringing Order to the Web, pp. 1–17.

Pearson, K., 1905, The Problem of the Random Walk, *Nature*, 72, hal. 294.

Philibert, J., 2006, Adolf fick and diffusion equations, *Defect and Diffusion Forum*, 249, hal. 1–6. doi: 10.4028/3-908451-17-5.1.

Priambodo, G., 2017, Pemodelan Perisai Radiasi Neutron Fasilitas Ruangan Iradiasi Boron Neutron Capture Therapy Dengan Sumber Beamport Tembus Reaktor Kartini Menggunakan Simulator Monte Carlo N Particle Extended, *Skripsi,* Jurusan Fisika FMIPA UGM, Yogyakarta.

Roberts-Austen, W. C., 1896, Bakerian Lecture : On the Diffusion of Metals, *Philosophical Transactions of The Real Society*, 187, pp. 383–415.

Roberts, R. C., 1966, *Molecular Diffusion of Gases*. Maryland.

Robitaille, T. P., 2010, On the modified random walk algorithm for Monte-Carlo radiation transfer, *a&a*, 520, pp. 70.

Shema, M., 2012, Leveraging Platform Weaknesses, *Hacking Web Apps*, pp. 209–238.

Telcs, A., 2006, *Lecture notes in mathematics*. 1 ed, *Lecture Notes in Mathematics*. 1 ed. Diedit oleh C. J. M. Morel, G. F. Takens, dan P. B. Teissier. Berlin, Springer.

Thomson, D. J., 1984, Random Walk modelling of diffusion in inhomogeneous turbulence, *Quart. J. R. Met. Soc.*, 110, pp. 1107–1120.

Varley, R. L., 2010, *The Kinetic Theory of Gases*. New York.

Weiss, G. H., 1994, *Aspect and Application of Random Walk*. 1 ed, *Random Materials and Processes*. 1 ed. Diedit oleh H. E. Stanley dan E. Guyon. Amsterdam, Elsevier Inc.

Weisstein, E., 2005, Sphere Point Picking, Tersedia pada: https://mathworld.wolfram.com/SpherePointPicking.html (Diakses: 15 Februari 2020)

Yang, X., 2014, *Nature-Inspired Metaheuristic Algorithms*. 2 ed. Cambridge, Luniver Press.