DAFTAR PUSTAKA

[1] I. Kola dan J. Landis, "Can the pharmaceutical industry reduce attrition rates?," *Nature Reviews Drug Discovery*, vol. 3, no. 8, hlm. 711–715, 2004, doi: 10.1038/NRD1470.

[2] T. Unterthiner, A. Mayr, G. Klambauer, dan S. Hochreiter, "Toxicity Prediction using Deep Learning," Mar 2015, Diakses: 25 Oktober 2022. [Daring]. Tersedia pada: http://arxiv.org/abs/1503.01445

[3] J. Arrowsmith, "Trial watch: Phase III and submission failures: 2007-2010," *Nature Reviews Drug Discovery*, vol. 10, no. 2. hlm. 87, Februari 2011. doi: 10.1038/nrd3375.

[4] N. R. Council, "Toxicity Testing in the 21st Century: A Vision and a Strategy," *Toxicity Testing in the 21st Century: A Vision and a Strategy*, hlm. 1–196, Jun 2007, doi: 10.17226/11970.

[5] J. Inglese *dkk.*, "Quantitative high-throughput screening: A titration-based approach that efficiently identifies biological activities in large chemical libraries," *Prog Nucl Energy 6 Biol Sci*, vol. 103, no. 1, hlm. 11473–11478, 2006, Diakses: 1 November 2022. [Daring]. Tersedia pada: www.pnas.orgcgidoi10.1073pnas.0604348103

[6] F. Ver Donck, K. Downes, dan K. Freson, "Strengths and limitations of high-throughput sequencing for the diagnosis of inherited bleeding and platelet disorders," *Journal of Thrombosis and Haemostasis*, vol. 18, no. 8, hlm. 1839–1845, Agu 2020, doi: 10.1111/JTH.14945.

[7] "Handbook of Fingerprint Recognition - Davide Maltoni, Dario Maio, Anil K. Jain, Salil Prabhakar - Google Books." https://books.google.co.id/books?hl=en&lr=&id=1Wpx25D8qOwC&oi=fnd&pg=PR11&dq=Handbook+of+Fingerprint+Recognition&ots=9zRX3Qmu85&sig=hZhzC6xWIqTX43idozvaRyJm0vk&redir_esc=y#v=onepage&q=Handbook%20of%20Fingerprint%20Recognition&f=false (diakses 6 Desember 2022).

[8] D. Peralta, I. Triguero, R. Sanchez-Reillo, F. Herrera, dan J. M. Benitez, "Fast fingerprint identification for large databases," *Pattern Recognit*, vol. 47, no. 2, hlm. 588–602, Feb 2014, doi: 10.1016/J.PATCOG.2013.08.002.

[9] D. Fan *dkk.*, "In silico prediction of chemical genotoxicity using machine learning methods and structural alerts," *Toxicol Res (Camb)*, vol. 7, no. 2, hlm. 211–220, 2018, doi: 10.1039/c7tx00259a.

[10] H. Feng *dkk.*, "Predicting the reproductive toxicity of chemicals using ensemble learning methods and molecular fingerprints," *Toxicol Lett*, vol. 340, hlm. 4–14, Apr 2021, doi: 10.1016/j.toxlet.2021.01.002.

[11] X. Xu *dkk.*, "In silico prediction of chemical acute contact toxicity on honey bees via machine learning methods," *Toxicology in Vitro*, vol. 72, Apr 2021, doi: 10.1016/j.tiv.2021.105089.

[12] S. Y. Bae, J. Lee, J. Jeong, C. Lim, dan J. Choi, "Effective data-balancing methods for class-imbalanced genotoxicity datasets using machine learning algorithms and molecular fingerprints," *Computational Toxicology*, vol. 20, Nov 2021, doi: 10.1016/j.comtox.2021.100178.

[13] H. Tran-Ngoc, S. Khatir, G. De Roeck, T. Bui-Tien, dan M. Abdel Wahab, "An efficient artificial neural network for damage detection in bridges and beam-like structures by improving training parameters using cuckoo search algorithm," *Eng Struct*, vol. 199, hlm. 109637, Nov 2019, doi: 10.1016/J.ENGSTRUCT.2019.109637.

[14] Y. Wu dan G. Wang, "Machine learning based toxicity prediction: From chemical structural description to transcriptome analysis," *Int J Mol Sci*, vol. 19, no. 8, Agu 2018, doi: 10.3390/ijms19082358.

[15] X. S. Yang dan S. Deb, "Multiobjective cuckoo search for design optimization," *Comput Oper Res*, vol. 40, no. 6, hlm. 1616–1624, Jun 2013, doi: 10.1016/J.COR.2011.09.026.

[16] X.-S. Yang dan S. Deb, "Engineering Optimisation by Cuckoo Search," *Int. J. Mathematical Modelling and Numerical Optimisation*, vol. 1, no. 4, hlm. 330–343, 2010.

[17] X. S. Yang dan S. Deb, "Cuckoo search via Lévy flights," *2009 World Congress on Nature and Biologically Inspired Computing, NABIC 2009 - Proceedings*, hlm. 210–214, 2009, doi: 10.1109/NABIC.2009.5393690.

[18] X. S. Yang dan S. Deb, "Cuckoo search: Recent advances and applications," *Neural Computing and Applications*, vol. 24, no. 1. hlm. 169–174, Januari 2014. doi: 10.1007/s00521-013-1367-1.

[19] I. Pavlyukevich, "Lévy flights, non-local search and simulated annealing," *J Comput Phys*, vol. 226, no. 2, hlm. 1830–1844, Okt 2007, doi: 10.1016/J.JCP.2007.06.008.

[20] A. S. Joshi, O. Kulkarni, G. M. Kakandikar, dan V. M. Nandedkar, "Cuckoo Search Optimization- A Review," *Mater Today Proc*, vol. 4, no. 8, hlm. 7262–7269, Jan 2017, doi: 10.1016/J.MATPR.2017.07.055.

[21] I. Nunes *dkk.*, "Artificial Neural Networks A Practical Course."

[22] N. V. Chawla, K. W. Bowyer, L. O. Hall, dan W. P. Kegelmeyer, "SMOTE: Synthetic Minority Over-sampling Technique," *Journal of Artificial Intelligence Research*, vol. 16, hlm. 321–357, Jun 2002, doi: 10.1613/JAIR.953.