

DAFTAR PUSTAKA

- Altschul, S.F., Gish, W., Miller, W.T., Myers, E.W. dan Lipman, D.J., 1990, Basic Local Alignment Search Tool, *Journal of Molecular Biology*, 215, 3, 403–410.
- Arndt, J., 2010, Generating Random Permutations, *Tesis*, Mathematical Sciences Institute, Australian National University, Canberra., <http://gan.anu.edu.au/~brent/pd/Arndt-thesis.pdf>.
- Brinkman, F.S.L. dan Leipe, D.D., 2001, Phylogenetic Analysis, *Bioinformatics : A Practical Guide to the Analysis of Genes and Proteins*, John Wiley & Sons, Inc., New York., <http://www.ncbi.nlm.nih.gov/pubmed/11449731> <http://doi.wiley.com/10.1002/0471223921.ch14>.
- Cho, J.M., 2000, Chromosome Classification Using Backpropagation Neural Networks., *IEEE Engineering in Medicine and Biology Magazine*, 19, 1, 28–33. <http://www.ncbi.nlm.nih.gov/pubmed/10659427>.
- Le Cun, Y., 1986, Learning Process in an Asymmetric Threshold Network, *Disordered Systems and Biological Organization*, Springer Berlin Heidelberg, Berlin, pp. 233–240., http://link.springer.com/chapter/10.1007/978-3-642-82657-3_24.
- Dewi, C. dan Muslikh, M., 2013, Perbandingan Akurasi Backpropagation Neural Network dan ANFIS Untuk Memprediksi Cuaca, *Journal of Scientific Modeling & Computation*, 1, 1, 7–13.
- Dharmayanti, N.L.P.I., 2009, Molecular Analysis of H5N1 Avian Influenza Virus from Avian Species: Compared with Genbank Data of the Indonesian H5N1 Human Cases, *Microbiology Indonesia*, 3, 2, 77–84.
- Dharmayanti, N.L.P.I., Diwyanto, K. dan Bahri, S., 2012, Mewaspada Perkembangan Avian Influenza (AI) dan Keragaman Genetik Virus AI/H5N1 di Indonesia, *Pengembangan Inovasi Pertanian*, 5, 2, 124–141.
- Domingo, E. dan Holland, J.J., 1997, RNA Virus Mutations and Fitness for Survival, *Annual Review of Microbiology*, 51, 1, 151–178. <http://www.annualreviews.org/doi/10.1146/annurev.micro.51.1.151>.
- Elena, S.F. dan Sanjuan, R., 2005, Guest Commentary : Adaptive Value of High Mutation Rates of RNA Viruses : Separating Causes from Consequences, *Journal of Virology*, 79, 18, 11555–11558.
- Fausett, L., 1994, *Fundamentals of Neural Network*, edisi 1, Prentice Hall. <http://mitpress.mit.edu/books/fundamentals-neural-network-modeling>.
- Harper, S., Fukuda, K., Uyeki, T., Cox, N. dan Bridges, C., 2004, Prevention and Control of Influenza, *Advisory Committee on Immunization Practices*, 53, 1–40. http://www.researchgate.net/publication/10753336_Prevention_and_control_of_influenza._Recommendations_of_the_Advisory_Committee_on_Immuniz

ation_Practices_(ACIP)/file/60b7d529dd54d69f72.pdf,.

Heaton, J., 2008, *Introduction to Neural Networks for Java*, edisi 2, Heaton Research, Inc, St. Louis.

Hebb, D.O., 1950, *The Organization of Behavior; A Neuropsychological Theory*, John Wiley & Sons Inc, New York.
<http://www.amazon.com/dp/0805843000%5Cnhttp://www.ncbi.nlm.nih.gov/pmc/articles/PMC1279737/%5Cnhttp://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:The+organization+of+behavior:+A+neuropsychological+theory#0%5Cnhttp://scholar.google.com/scholar?h,>

Jayalakshmi, T. dan Santhakumaran, A., 2011, Statistical Normalization and Backpropagation for Classification, *International Journal of Computer Theory and Engineering*, 3, 1, 89–93. <http://www.ijcte.org/papers/288-L052.pdf>,.

Kholis, I., 2015, Analisis Variasi Parameter Backpropagation Artificial Neural Network Terhadap Pengenalan Pola Data Iris, *Jurnal Teknik & Ilmu Komputer*, 4, 14, 1–10.

Kusuma, I.W., 2011, Aplikasi Model Backpropagation Neural Network untuk Perkiraan Produksi Tebu pada PT. Perkebunan Nusantara IX, *Prosiding Seminar Nasional Matematika dan Pendidikan Matematika*, Yogyakarta, pp. 97–108.,

Luscombe, N.M., Greenbaum, D. dan Gerstein, M., 2001, What is Bioinformatics? An Introduction and Overview, *Methods of Information in Medicine*, 40, 4, 346–358.

Maharani, W., 2009, Klasifikasi Data Menggunakan JST Backpropagation Momentum Dengan Adaptive Learning Rate, *Seminar Nasional Informatika*,, 1, 25–31.

Maji, A.K., Jana, S. dan Pal, R.K., 2013, An Algorithm for Generating only Desired Permutations for Solving Sudoku Puzzle, *Procedia Technology*, 10, 392–399. <http://www.sciencedirect.com/science/article/pii/S2212017313005379>,.

McClelland, J.L. dan Rumelhart, D.E., 1986, *Explorations in Parallel Distributed Processing*, MIT Press.

McCulloch, W.S. dan Pitts, W.H., 1943, A Logical Calculus of the Ideas Immanent in Nervous Activity, *The Bulletin of Mathematical Biophysics*, 5, 4, 115–133. <http://www.cse.chalmers.se/~coquand/AUTOMATA/mcp.pdf>,.

Needleman, S.B. dan Wunsch, C.D., 1970, A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins, *Journal of Molecular Biology*, 48, 3, 443–453. <http://www.ncbi.nlm.nih.gov/pubmed/5420325>,.

Nidom, C.A., 2005, *Analisis Molekuler Genoma Virus Avian Influenza H5N1 Di Indonesia*,. Universitas Airlangga,

O’neill, M.C., 1991, Training Backpropagation Neural Networks to Define and

- Detect DNA-binding Sites, *Nucleic Acids Research*, 19, 2, 313–318.
- Oh, S.H., 1997, Improving the Error Backpropagation Algorithm with a Modified Error Function, *IEEE Transactions on Neural Networks*, 8, 3, 799–803. <http://ieeexplore.ieee.org/document/572117/>.
- Olson, D.L. dan Delen, D., 2008, *Advanced Data Mining Techniques*, Springer Berlin Heidelberg, Berlin, Heidelberg.
- Paola, J.D. dan Schowengerdt, R.A., 1995, A Detailed Comparison of Backpropagation Neural Network and Maximum-Likelihood Classifiers for Urban Land Use Classification, *IEEE Transactions on Geoscience and Remote Sensing*, 33, 4, 981–996.
- Parker, D.B., 1985, *Learning Logic: Casting the Cortex of the Human Brain in Silicon*, Massachusetts Institute of Technology, Center for Computational Research in Economics and Management Science.
- Patel, K., Vala, J. dan Pandya, J., 2014, Comparison of Various Classification Algorithms on Iris Datasets using WEKA, *International Journal of Advance Engineering and Research Development*, 1, 1, 1–7.
- Smith, G.J.D., Naipospos, T.S.P., Nguyen, T.D., de Jong, M.D., Vijaykrishna, D., Usman, T.B., Hassan, S.S., Nguyen, T. V., Dao, T. V., Bui, N.A., Leung, Y.H.C., Cheung, C.L., Rayner, J.M., Zhang, J.X., Zhang, L.J., Poon, L.L.M., Li, K.S., Nguyen, V.C., Hien, T.T., Farrar, J., Webster, R.G., Chen, H., Peiris, J.S.M. dan Guan, Y., 2006, Evolution and Adaptation of H5N1 Influenza Virus in Avian and Human Hosts in Indonesia and Vietnam, *Virology*, 350, 2, 258–268. <http://www.ncbi.nlm.nih.gov/pubmed/16713612>, diakses 6 Agustus 2014.
- Tamura, K., Peterson, D., Peterson, N., Stecher, G., Nei, M. dan Kumar, S., 2011, MEGA5: Molecular Evolutionary Genetics Analysis Using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony Methods, *Molecular Biology and Evolution*, 28, 10, 2731–2739. <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3203626&tool=pmcentrez&rendertype=abstract>, diakses 9 Juli 2014.
- Wang, X., Zhang, J., Li, F., Gu, J., He, T., Zhang, X. dan Li, Y., 2005, MicroRNA Identification Based on Sequence and Structure Alignment, *Bioinformatics*, 21, 18, 3610–3614. <http://www.ncbi.nlm.nih.gov/pubmed/15994192>, diakses 10 Juli 2014.
- Werbos, P.J., 1974, *Beyond Regression: New Tools for Prediction and Analysis in the Behavioral Sciences*,. Harvard University,
- Wettayaprasit, W., Laosen, N. dan Chevakidagarn, S., 2007, Data Filtering Technique for Neural Networks Forecasting, *Prosiding 7th WSEAS International Conference on Simulation, Modelling and Optimization*, , 2, 225–230.
- Winston, P.H., 1992, *Artificial Intelligence*, edisi 3, Addison-Wesley Publishing Company, Massachusetts.

- Yunita, I., Tjandradiredja, K. dan Hansun, S., 2016, Perkembangan Bioinformatics dalam Ruang Lingkup Ilmu Komputer, *Ultimatics*, 8, 1, 65–69.
- Zhang, L., Wang, Y., Xuan, P., Duvall, A., Lowe, J., Wang, Y., Subramanian, A., Srimani, P.K., Luo, F. dan Duan, Y., 2013, Sesame: A New Bioinformatics Semantic Workflow Design System, *Prosiding IEEE International Conference on Bioinformatics and Biomedicine*, 504–508. <http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6732546>.