

## DAFTAR PUSTAKA

- Ahmed, A. B. R., 2007, Protein Secondary Structure Prediction Using Support Vector Machines, Neural Networks and Genetic Algorithms, *Thesis*, Georgia State University, Atlanta.
- Azhar, M., 2016, *Biomolekul Sel: Karbohidrat, Protein, dan Enzim*, UNP Press, Padang.
- Chang, C. C. dan Lin, C. J., 2001, LIBSVM: a Library for Support Vector Machines, dapat diunduh di <http://www.csie.ntu.edu.tw/~cjlin/libsvm>.
- Cortes, C. dan Vapnik, V., 1995, Support-Vector Network, *Machine Learning*, 20, pp. 273-297.
- Henikoff, S. dan Henikoff, J. G., 1992, Amino Acid Substitution Matrices from Protein Blocks, *Proceedings of The National Academy of Science of The United States of America*, 89, 22, pp. 10915-10919.
- Hua, S. dan Sun, Z., 2001, A Novel Method of Protein Secondary Structure Prediction with High Segment Overlap Measure: Support Vector Machine Approach, *Journal of Molecular Biology*, Vol. 308, 2, pp. 397-407.
- Ihsan, M. dan Afiahayati, 2019, Prediksi Struktur Sekunder Protein Menggunakan Jaringan Syaraf Tiruan Multi Layer Perceptron dan Algoritma Penyerbukan Bunga, *Tesis*, Magister Ilmu Komputer UGM, Yogyakarta.
- Kabsch, W. dan Sander, C., 1983, Dictionary of Protein Secondary Structure: Pattern Recognition of Hydrogen-bonded and Geometrical Features, *Biopolymers*, 22, pp. 2577-2637.
- Katili, A. S., 2009, Struktur dan Fungsi Protein Kolagen, *Jurnal Pelangi Ilmu Volume 2 No.5*, pp.19-29.
- Kim, H. dan Park, H., 2003, Protein Secondary Structure Prediction based on An Improved Support Vector Machines Approach, *Protein Engineering*, Vol. 16, 8, pp. 553-560.
- Li, Y. dan Shibuya, T., 2015, Malphite: a Convolutional Neural Network and Ensemble Learning Based Protein Secondary Structure Predictor, *IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*, pp. 1260-1266.
- Muhamud, A. I., Abdelhalim, M. B., dan Mabrouk, M. S., 2014, Extraction of Prediction Rules: Protein Secondary Structure Prediction, *Computer Engineering Conference (ICENCO)*, Egypt, pp. 21-25.



- Nugroho, A. S., Witarto, A. B., dan Handoko, D., 2003, *Support Vector Machine: Teori dan Aplikasinya dalam Bioinformatika*, <http://www.ilmukomputer.com>, diakses pada 2 Juni 2019.
- Patel, M. dan Shah H., 2013, Protein Secondary Structure Prediction Using Support Vector Machines (SVMs), *Machine Intelligence and Research Advancement (ICMIRA), 2013 International Conference on Katra*, pp. 594-598.
- Reed, G., 1975, *Enzym in Food Processing*, Second Edition, Academic Press, New York.
- Refaeilzadeh, P., Tang, L., dan Liu, H., 2009, Cross-Validation, *Encyclopedia of Database Systems*, Springer, New York, pp 532-538.
- Rost, B. and Sander, C., 1993, *Improved Prediction Secondary Structure by Use of Sequence Profile and Neural Networks*, Proc Natl Acad Sci USA 90, 7558-62.
- Santosa, B., *Tutorial Support Vector Machine*, Institut Teknologi Sepuluh November, 2010.
- Schölkopf, B. dan Smola, A. J., 2002, *Learing with Kernels*, MIT Press, Cambridge, Massachusetts.
- Soerodikusoemo, W. dan Hartiko, H., 1989, *Biologi Molekuler*, Proyek Pengembangan Pusat Fasilitas Bersama Antar Universitas (Bank Dunia XVII) – PAU Bioteknologi Universitas Gadjah Mada.
- Suprayitno, E. dan Sulistiyati. T. D., 2017, *Metabolisme Protein*, UB Press, Malang.
- Ward, J. J., McGuffin, L. J., Buxton, B. F., dan Jones, D. T., 2003, Secondary Structure Prediction with Support Vector Machines, *Bioinformatics*, Vol. 19, 13, pp. 1650-1655.
- Zamani, M. dan Kremer, S. C., 2012, Protein Secondary Structure Prediction Using Support Vector Machines and a Codon Encoding Scheme, *IEEE International Conference on Bioinformatics and Biomedicine Workshops (BIBMW)*, pp. 22-27.
- Zhang, H., Zhang, J., dan Li, Z., 2012, Algebraic Encoding and Protein Secondary Structure Prediction, *International Journal of Algebra*, Vol. 6, 20, pp. 975-984.