

## DAFTAR PUSTAKA

- ‘Arif, M., Hassan, H., Nasien, D., & Haron, H. (2015). A Review on Feature Extraction and Feature Selection for Handwritten Character Recognition. *International Journal of Advanced Computer Science and Applications*, 6(2), 204–212. <https://doi.org/10.14569/ijacsa.2015.060230>
- AM, A. P., & Murinto, M. (2016). Segmentasi Citra Batik Berdasarkan Fitur Tekstur Menggunakan Metode Filter Gabor dan K-Means Clustering. *Jurnal Informatika*, 10(1), 1173–1179.
- Amalia, A. E., Airlangga, G., & Thohari, A. N. A. (2018). Breast Cancer Image Segmentation Using K-Means Clustering Based on GPU Cuda Parallel Computing. *Jurnal Infotel*, 10(1), 33–38. <https://doi.org/10.20895/infotel.v10i1.344>
- Awad, M., & Khanna, R. (2015). Efficient learning machines: Theories, concepts, and applications for engineers and system designers. *Efficient Learning Machines: Theories, Concepts, and Applications for Engineers and System Designers*, (July 2018), 1–248. <https://doi.org/10.1007/978-1-4302-5990-9>
- Bahri, S., & Rahmat. (2018). Transformasi Citra Biner Menggunakan Metode Thresholding dan Otsu Thresholding. *Jurnal Sistem Informasi Dan Teknologi Informasi*, 7(2), 195–203.
- Bharti, S. S., Gupta, M., & Agarwal, S. (2018). Background noise identification system based on random forest for speech. In *Advances in Intelligent Systems and Computing* (Vol. 632, pp. 323–332). Springer Verlag. [https://doi.org/10.1007/978-981-10-5520-1\\_30](https://doi.org/10.1007/978-981-10-5520-1_30)
- Bozkurt, F., Yağanoğlu, M., & Günay, F. B. (2015). Effective Gaussian Blurring Process on Graphics Processing Unit with CUDA. *International Journal of Machine Learning and Computing*, 5(1), 57–61. <https://doi.org/10.7763/ijmlc.2015.v5.483>
- Caraka, B., Sumbodo, B. A. A., & Candradewi, I. (2016). Klasifikasi Sel Darah Putih Menggunakan Metode Support Vector Machine (SVM) Berbasis Pengolahan Citra Digital. *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, 7(1), 25–36.
- Chamidy, T. (2016). Metode Mel Frequency Cepstral Coefficients (MFCC) Pada klasifikasi Hidden Markov Model (HMM) Untuk Kata Arabic pada Penutur Indonesia. *Matics*, 8(1), 36. <https://doi.org/10.18860/mat.v8i1.3482>
- Darma Putra. (2010). *Pengolahan Citra Digital*. (Westriningsih, Ed.). Yogyakarta: Penerbit Andi.
- Devasahayam, S. R. (2019). *Signals and Systems in Biomedical Engineering*:

- Physiological Systems Modeling and Signal Processing.*
- Dhanachandra, N., Manglem, K., & Chanu, Y. J. (2015). Image Segmentation Using K-means Clustering Algorithm and Subtractive Clustering Algorithm. In *Procedia Computer Science* (Vol. 54, pp. 764–771). Elsevier. <https://doi.org/10.1016/j.procs.2015.06.090>
- Dhumal, S. S., & Agrawal, S. S. (2015). MRI Classification and Segmentation of Cervical Cancer to Find the Area of Tumor, 3(Vii), 21–26.
- Febrinanto, F. G., Dewi, C., & Wiratno, A. T. (2018). Implementasi Algoritme K-Means Sebagai Metode Segmentasi Citra Dalam Identifikasi Penyakit Daun Jeruk. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer*, 2(11), 5375–5383.
- Fernandes de Mello, R. (2018). Introduction to Support Vector Machines. In *Machine Learning*. [https://doi.org/10.1007/978-3-319-94989-5\\_4](https://doi.org/10.1007/978-3-319-94989-5_4)
- Flusser, J., Farokhi, S., Höschl, C., Suk, T., Zitová, B., & Pedone, M. (2016). Recognition of images degraded by Gaussian blur. *IEEE Transactions on Image Processing*, 25(2), 790–806. <https://doi.org/10.1109/TIP.2015.2512108>
- Gede Aris Gunadi, I., Harjoko, A., Wardoyo, R., & Ramdhani, N. (2016). Fake smile detection using linear support vector machine. *Proceedings of 2015 International Conference on Data and Software Engineering, ICODSE 2015*, 103–107. <https://doi.org/10.1109/ICODSE.2015.7436980>
- Gholipour Ghalandari, D. (2018). Revisiting the Centroid-based Method: A Strong Baseline for Multi-Document Summarization, 85–90. <https://doi.org/10.18653/v1/w17-4511>
- Guenther, N., & Schonlau, M. (2016). Support vector machines. *Stata Journal*, 16(4), 917–937. <https://doi.org/10.4018/978-1-60960-557-5.ch007>
- Hamid, H. (2018). Manajemen Berbasis Sekolah. *Al-Khwarizmi: Jurnal Pendidikan Matematika Dan Ilmu Pengetahuan Alam*. <https://doi.org/10.24256/jpmipa.v1i1.86>
- Hartono, B. (2019). Penghalusan Kontur dan Tepi Obyek Citra Menggunakan Operasi Opening dan Closing. *PProceeding SINTAK 2019*, (1), 352–360.
- He, Y., Wang, H., Feng, L., You, S., Lu, J., & Jiang, W. (2019). Centroid extraction algorithm based on grey-gradient for autonomous star sensor. *Optik*, 194. <https://doi.org/10.1016/j.ijleo.2019.162932>
- Herawati, P. (2016). Dampak Kebisingan dari Aktifitas Bandara Sultan Thaha Jambi terhadap Pemukiman Sekitar Bandara. *Jurnal Ilmiah Universitas Batanghari Jambi*, 16(1), 104–108. Retrieved from <http://ji.unbari.ac.id/index.php/ilmiah/article/view/89>
- Huang, M. W., Chen, C. W., Lin, W. C., Ke, S. W., & Tsai, C. F. (2017). SVM and SVM ensembles in breast cancer prediction. *PLoS ONE*, 12(1), 1–14.

- <https://doi.org/10.1371/journal.pone.0161501>
- Indriani, A. F., & Muslim, M. A. (2019). SVM Optimization Based on PSO and AdaBoost to Increasing Accuracy of CKD Diagnosis. *Lontar Komputer : Jurnal Ilmiah Teknologi Informasi*, 10(2), 119. <https://doi.org/10.24843/lkjiti.2019.v10.i02.p06>
- Kadek Novar Setiawan, I. M. S. P. (2018). Klasifikasi Citra Mammogram Menggunakan Metode K-Means, GLCM, dan Support Vector Machine (SVM). *Lontar Komputer*, 6(1), 13–24.
- Kim, H., Ahn, E., Cho, S., Shin, M., & Sim, S. H. (2017). Comparative analysis of image binarization methods for crack identification in concrete structures. *Cement and Concrete Research*, 99, 53–61. <https://doi.org/10.1016/j.cemconres.2017.04.018>
- Kolkur, S., Kalbande, D., Shimpi, P., Bapat, C., & Jatakia, J. (2017). Human Skin Detection Using RGB, HSV and YCbCr Color Models, 137, 324–332. <https://doi.org/10.2991/iccasp-16.2017.51>
- Kour, G., Tech, M., Rbiebt, S., Kharar, N., & Mehan, A. (2015). *Music Genre Classification using MFCC, SVM and BPNN*. *International Journal of Computer Applications* (Vol. 112). Retrieved from [www.ijcaonline.org](http://www.ijcaonline.org)
- Lizhe Tan, J. J. (2018). *Digital Signal Processing: Fundamentals and Applications*. Academic Press.
- Luque, A., Carrasco, A., Martín, A., & de las Heras, A. (2019). The impact of class imbalance in classification performance metrics based on the binary confusion matrix. *Pattern Recognition*, 91, 216–231. <https://doi.org/10.1016/j.patcog.2019.02.023>
- Mohan, B. J., & Ramesh Babu, N. (2014). Speech recognition using MFCC and DTW. In *2014 International Conference on Advances in Electrical Engineering, ICAEE 2014*. <https://doi.org/10.1109/ICAEE.2014.6838564>
- Mohd, A., Ram, G. K., & Shafeeq, A. (2017). Skin Cancer Classification Using K-Means Clustering. *International Journal of Technical Research and Applications*, 5(1), 62–65.
- Munawarah, R., Soesanto, O., & Faisal, M. R. (2016). Penerapan Metode Support Vector Machine Pada Diagnosa Hepatitis. *Kumpulan Jurnal Ilmu Komputer (KLIK)*. <https://doi.org/10.20527/klik.v3i1.39>
- Murti, M. A. W. K. (2017). *Penerapan metode K-MEANS Clustering untuk mengelompokan potensi produksi buah-buahan di Provinsi Daerah Istimewa Yogyakarta*. Sanata Dharma University.
- Najman, L., Pesquet, J. C., & Talbot, H. (2015). When convex analysis meets mathematical morphology on graphs. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes*

- in Bioinformatics), 9082, 473–484. [https://doi.org/10.1007/978-3-319-18720-4\\_40](https://doi.org/10.1007/978-3-319-18720-4_40)*
- Ningrum, H. C. S. (2018). *Perbandingan Metode Support Vector Machine (SVM) Linear, Radial Basis Function (RBF), dan Polinomial Kernel dalam Klasifikasi Bidang Studi Lanjut Pilihan Alumni UII*. Universitas Islam Indonesia.
- Novriansyah, D. (2017). Implementasi Robot Pelontar Cakram Berbasis Webcam Sebagai Pendekripsi Objek Secara Semi Otomatis. Politeknik Negeri Sriwijaya.
- Nugraha, Y. R., Wibawa, A. P., & Zaeni, I. A. E. (2019). Particle Swarm Optimization-Support Vector Machine (PSO-SVM) Algorithm for Journal Rank Classification. In *Proceedings - 2019 2nd International Conference of Computer and Informatics Engineering: Artificial Intelligence Roles in Industrial Revolution 4.0, IC2IE 2019* (pp. 69–73). Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/IC2IE47452.2019.8940822>
- Nurhayati, N. (2017). Pengaruh Lingkungan Fisik Sekolah Terhadap Minat Belajar Siswa MTs NW Pringgabaya Lombok Timur. *Geodika: Jurnal Kajian Ilmu Dan Pendidikan Geografi*, 1(2), 41. <https://doi.org/10.29408/geodika.v1i2.859>
- Ozeki, T., & Watanabe, E. (2019). Analysis of the Behavior of Students Considering Privacy. *The 6th IIEJ International Conference on Image Electronics and Visual Computing, IP-3*.
- Pahwa, S., & Sinwar, D. (2015). Comparison Of Various Kernels Of Support Vector Machine. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 3(VII), 532–536.
- Prasetyo, E. (2013). *Data Mining Konsep dan Aplikasi Menggunakan Matlab*. Yogyakarta: Andi (1st ed.).
- Pricila, J. M. (2016). *Perbandingan Beberapa Pendekatan Multiclass SVM Klasifikasi Artikel Berbahasa Indonesia*. Universitas Komputer Indonesia.
- Rosana, N. (2017). Penentuan Gelombang Bunyi Dalam Pembuatan Alat Pemanggil Ikan “Piknet.” *Seminar Nasional Kelautan XII*, 18–22.
- Saputra, R. (2016). Implementasi Metode Wavelet Haar Dan Probabilistic Neural Network (PNN) Untuk Pengenalan Citra Daging Babi Dan Daging Sapi. Universitas Islam Negeri Sultan Syarif Kasim Riau.
- Setyohadi, D. B., Kristiawan, F. A., & Ernawati, E. (2017). Perbaikan Performansi Klasifikasi Dengan Preprocessing Iterative Partitioning Filter Algorithm. *Telematika*, 14(01).
- Sindar, A., & Sinaga, R. M. (2017). Implementasi Teknik Threshoding pada Segmentasi Citra Digital. *Implementasi Teknik Threshoding Pada Segmentasi Citra Digital*, 1(2), 48–51.

- Suhag, S., & Saini, L. M. (2015). Automatic Brain Tumor Detection and Classification using SVM Classifier. *International Journal of Advances in Science Engineering and Technology*, 3(4), 119–123.
- Suyanto. (2017). *Data Mining Untuk Klasifikasi dan Klasterisasi Data*. Bandung: Penerbit Informatika.
- Theodorus S. Kalengkongan, Dringhuzen J. Mamahit, S. R. U. . S. (2018). Rancang Bangun Alat Deteksi Kebisingan Berbasis Arduino Uno. *Jurnal Teknik Elektro Dan Komputer*, 7(2), 183–188.
- Zaenuddin, I. (2018). Analisis Pengujian Sistem Informasi Akademik Pranata Indonesia Berdasarkan Standard ISO9126 Studi Kasus: STMIK Pranata Indonesia.
- Zahraa Faisal. (2019). *Digital Image Processing Second Edition*.

