

## DAFTAR PUSTAKA

- [1] M. Y. Aalsalem and W. Z. Khan, "CampusSense — A smart vehicle parking monitoring and management system using ANPR cameras and android phones," in *2017 19th International Conference on Advanced Communication Technology (ICACT)*, 2017, pp. 809–815.
- [2] M. T. Qadri and M. Asif, "Automatic Number Plate Recognition System for Vehicle Identification Using Optical Character Recognition," in *2009 International Conference on Education Technology and Computer*, 2009, pp. 335–338.
- [3] M. Y. Aalsalem, W. Z. Khan, and K. M. Dhabbah, "An automated vehicle parking monitoring and management system using ANPR cameras," in *2015 17th International Conference on Advanced Communication Technology (ICACT)*, 2015, pp. 706–710.
- [4] L. Luo and X. Li, "A Method to Search for Color Segmentation Threshold in Traffic Sign Detection," in *2009 Fifth International Conference on Image and Graphics*, 2009, pp. 774–777.
- [5] D. P. Sihombing, H. A. Nugroho, and S. Wibirama, "Perspective rectification in vehicle number plate recognition using 2D-2D transformation of Planar Homography," in *2015 International Conference on Science in Information Technology (ICSITech)*, 2015, pp. 237–240.
- [6] P. Hidayatullah, N. Syakrani, I. Suhartini, and W. Muhlis, "Optical Character Recognition Improvement for License Plate Recognition in Indonesia," in *2012 Sixth UKSim/AMSS European Symposium on Computer Modeling and Simulation*, 2012, pp. 249–254.
- [7] S. S. Omran and J. A. Jarallah, "Iraqi car license plate recognition using OCR," in *2017 Annual Conference on New Trends in Information & Communications Technology Applications (NTICT)*, 2017, pp. 298–303.
- [8] N. H. Barnouti, M. A. S. Naser, and S. S. M. Al-Dabbagh, "Automatic Iraqi license plate recognition system using back propagation neural network (BPNN)," in *2017 Annual Conference on New Trends in Information & Communications Technology Applications (NTICT)*, 2017, pp. 105–110.
- [9] S. A. Haider and K. Khurshid, "An implementable system for detection and recognition of license plates in Pakistan," in *2017 International Conference on Innovations in Electrical Engineering and Computational Technologies (ICIEECT)*, 2017, pp. 1–5.
- [10] K. M. Babu and M. V Raghunadh, "Vehicle number plate detection and

- recognition using bounding box method,” in *2016 International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)*, 2016, pp. 106–110.
- [11] Y. Wang, X. Ban, J. Chen, B. Hu, and X. Yang, “License plate recognition based on SIFT feature,” *Opt. - Int. J. Light Electron Opt.*, vol. 126, no. 21, pp. 2895–2901, Nov. 2015.
  - [12] P. K. Jain, “Homography Estimation from Planar Contours,” in *Third International Symposium on 3D Data Processing, Visualization, and Transmission (3DPVT'06)*, 2006, pp. 877–884.
  - [13] G. K. A and M. S, “Automatic Rectification of Perspective Distortion from a Single Image Using Plane Homography,” *Int. J. Comput. Sci. Appl.*, vol. 3, no. 5, pp. 47–58, Oct. 2013.
  - [14] A. Prasetyo, “Pengenalan Karakter pada Citra Plat Nomor yang Terdistorsi secara Perspektif,” Yogyakarta, 2016.
  - [15] H. Pujiharsono, “Sistem Otomasi Robust Berbasis Citra untuk Mendeteksi dan Mengenali Angka Pemakaian Energi Listrik pada Kwh-meter Pascabayar,” Universitas Gadjah Mada, 2016.
  - [16] A. Mutholib, T. S. Gunawan, J. Chebil, and M. Kartiwi, “Optimization of ANPR algorithm on android mobile phone,” in *2013 IEEE International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA)*, 2013, pp. 1–5.
  - [17] M. Golpardaz and H. Nezamabadi-Pour, “Perspective Rectification and Skew Correction in Camera-Based Farsi Document Images,” in *2011 7th Iranian Conference on Machine Vision and Image Processing*, 2011, pp. 1–5.
  - [18] S. A. Angadi and M. M. Kodabagi, “A Robust Segmentation Technique for Line, Word and Character Extraction from Kannada Text in Low Resolution Display Board Images,” in *2014 Fifth International Conference on Signal and Image Processing*, 2014, pp. 42–49.
  - [19] Jiqiang Song, Min Cai, M. R. Lyu, and Shijie Cai, “A new approach for line recognition in large-size images using Hough transform,” in *Object recognition supported by user interaction for service robots*, 2002, vol. 1, pp. 33–36.
  - [20] R. Ghoshal, A. Roy, and S. K. Parui, “Recognition of Bangla text from scene images through perspective correction,” in *2011 International Conference on Image Information Processing*, 2011, pp. 1–6.
  - [21] Yin Fang, Chen Deyun, and Wu Rui, “A distortion correction approach on

natural scene text image,” in *Proceedings of 2011 6th International Forum on Strategic Technology*, 2011, vol. 2, pp. 1058–1061.

- [22] K. Xie and Y. Wang, “A New Method of License Plate Location Based on Multi-threshold Quantization Segmentation of Color Image,” in *2010 Third International Symposium on Information Processing*, 2010, pp. 9–13.
- [23] H. Pujiharsono, H. A. Nugroho, and O. Wahyunggoro, “The stand meter extraction of kWh-meter,” in *2015 International Conference on Science in Information Technology (ICSITech)*, 2015, pp. 202–206.
- [24] R. Baumann, C. Blackwell, and W. B. Seales, “Automatic Perspective Correction of Manuscript Images,” in *14th International Conference on Asia-Pacific Digital Libraries, ICADL 2012, Taipei, Taiwan, November 12-15, 2012, Proceedings*, Springer Berlin Heidelberg, 2012, pp. 11–18.
- [25] Sheng-Fuu Lin, Jaw-Yeh Chen, and Hung-Xin Chao, “Estimation of number of people in crowded scenes using perspective transformation,” *IEEE Trans. Syst. Man, Cybern. - Part A Syst. Humans*, vol. 31, no. 6, pp. 645–654, 2001.
- [26] S. Bangadkar, P. Dhane, S. Nair, and K. Kutty, “Mapping matrix for perspective correction from fish eye distorted images,” in *2011 International Conference on Recent Trends in Information Technology (ICRTIT)*, 2011, pp. 1288–1292.
- [27] S.-J. Yang, C. C. Ho, J.-Y. Chen, and C.-Y. Chang, “Practical Homography-based perspective correction method for License Plate Recognition,” in *2012 International Conference on Information Security and Intelligent Control*, 2012, pp. 198–201.
- [28] D. P. Sihombing, “Analisis Deteksi Plat Nomor Mobil Menggunakan Metode Connected Component Labelling,” Yogyakarta, 2015.
- [29] S. Jagtap, “Analysis of Feature Extraction Techniques for Vehicle Number Plate Detection,” *Int. J. Comput. Sci. Inf. Technol.*, vol. 6, p. 5, 2015.
- [30] P. Hidayatullah, N. Syakrani, I. Suhartini, and W. Muhlis, “Optical Character Recognition Improvement for License Plate Recognition in Indonesia,” in *2012 Sixth UKSim/AMSS European Symposium on Computer Modeling and Simulation*, 2012, pp. 249–254.
- [31] E. Jose Kundukulam and A. Sudharson, “Implementing and Optimizing Template Matching Techniques for Home Automation,” *Indian J. Sci. Technol.*, vol. 8, no. 19, Aug. 2015.
- [32] V. Upadhyay and I. Apm, “OCR optimization for vehicle number plate Identification based on Template matching,” *Int. J. Electr. Electron. Egg*,

vol. 2, 2015.

- [33] A. Singh and S. Desai, "Optical character recognition using template matching and back propagation algorithm," in *2016 International Conference on Inventive Computation Technologies (ICICT)*, 2016, vol. 3, pp. 1–6.
- [34] Y. A. Bolotova, A. A. Druki, and V. G. Spitsyn, "License plate recognition with hierarchical temporal memory model," in *2014 9th International Forum on Strategic Technology (IFOST)*, 2014, pp. 136–139.
- [35] K. Deb, H.-U. Chae, and K.-H. Jo, "Vehicle License Plate Detection Method Based on Sliding Concentric Windows and Histogram," *J. Comput.*, vol. 4, pp. 771–777, 200AD.
- [36] A. Roy and D. P. Ghoshal, "Number Plate Recognition for use in different countries using an improved segmentation," in *2011 2nd National Conference on Emerging Trends and Applications in Computer Science*, 2011, pp. 1–5.
- [37] K. Ratchatasriprasert, Benjapa Kongpan and T. Punyarprateep, Paruhat Yingthawornsuk, "License Plate Detection Based on Template Matching Algorithm," in *International Conference on Computer and Communication Technologies (ICCCT'2012)*, 2012.
- [38] J. Barroso, E. L. Dagless, A. Rafael, and J. Bulas-Cruz, "Number plate reading using computer vision," in *ISIE '97 Proceeding of the IEEE International Symposium on Industrial Electronics*, pp. 761–766.
- [39] D. gilly and K. raimond, "License Plate Recognition-A Template Matching Method," *Int. J. Eng. Res. Appl.*, vol. 3, no. 2.
- [40] Nick Efford, *Digital image processing a practical introduction using Java*. England: Addison-Wesley, 2000.
- [41] A. Kadir and A. Susanto, *Pengolahan Citra*. 2012.
- [42] M. S. Wibawa, "Klasifikasi Fase dan Spesies Parasit Plasmodium Falciparum dan Plasmodium Vivax pada Citra Mikroskopisk Digital Sediaan Darah Tipis," Universitas Gadjah Mada, 2016.
- [43] D. Putra, *Pengolahan Citra Digital*. Yogyakarta: Andi Publisher, 2010.
- [44] P. N. Sastry, T. R. V. Lakshmi, N. V. K. Rao, T. V. Rajinikanth, and A. Wahab, "Telugu Handwritten Character Recognition Using Zoning Features," in *2014 International Conference on IT Convergence and Security (ICITCS)*, 2014, pp. 1–4.

- [45] M. Ramanan, A. Ramanan, and E. Y. A. Charles, "A hybrid decision tree for printed Tamil character recognition using SVMs," in *2015 Fifteenth International Conference on Advances in ICT for Emerging Regions (ICTer)*, 2015, pp. 176–181.
- [46] S. D. Prasad and Y. Kanduri, "Telugu handwritten character recognition using adaptive and static zoning methods," in *2016 IEEE Students' Technology Symposium (TechSym)*, 2016, pp. 299–304.
- [47] M. Jangid, R. Dhir, R. Rani, and K. Singh, "SVM classifier for recognition of handwritten devanagari numeral," in *2011 International Conference on Image Information Processing*, 2011, pp. 1–5.
- [48] K. S. Siddharth, R. Dhir, and R. Rani, "Article: Comparative Recognition of Handwritten Gurmukhi Numerals using Different Feature Sets and Classifiers," *IJCA Proc. Int. Conf. Recent Adv. Futur. Trends Inf. Technol. (iRAFIT 2012)*, vol. iRAFIT, no. 5, pp. 20–24, Apr. 2012.
- [49] N. Christianini, "Support Vector and Kernel Machines," 2001.
- [50] N. Cristianini and J. Shawe-Taylor, *An Introduction to Support Vector Machines and Other Kernel-based Learning Methods*. Cambridge University Press, 2000.
- [51] K. Sembiring, "Penerapan Teknik Support Vector Machine untuk Pendeteksian Intrusi pada Jaringan," 2007.
- [52] H. of C. S. and I. E. Chih-Wei et al, "A Practical Guide to Support Vector Classification." National Taiwan University, 2004.
- [53] A. Nugroho, "Klasifikasi Nodul Tiroid Berbasis Ciri Tekstur pada Citra Ultrasonografi," Universitas Gadjah Mada, 2015.
- [54] A. Dev, "A Novel Approach for Car License Plate Detection Based on Vertical Edges," in *2015 Fifth International Conference on Advances in Computing and Communications (ICACC)*, 2015, pp. 391–394.
- [55] R. M. Khoshki and S. Ganesan, "Improved Automatic License Plate Recognition (ALPR) system based on single pass Connected Component Labeling (CCL) and reign property function," in *2015 IEEE International Conference on Electro/Information Technology (EIT)*, 2015, pp. 426–431.