

DAFTAR PUSTAKA

- Admi, M., Fkihi, S. El dan Faizi, R. (2018) A novel msr based method for detecting text in license plates. *ACM International Conference Proceeding Series*. tersedia di doi:10.1145/3230905.3230923.
- Asif, M.R., Chun, Q., Hussain, S. dan Fareed, M.S. (2016) Multiple licence plate detection for Chinese vehicles in dense traffic scenarios. *IET Intelligent Transport Systems*. 10 (8), 535–544. tersedia di doi:10.1049/iet-its.2016.0008.
- Bahi, H. El, Mahani, Z., Zatni, A. dan Saoud, S. (2015) A robust system for printed and handwritten character recognition of images obtained by camera phone. *Wseas Trans. signal Process.* 119–22. tersedia di <http://www.wseas.org/multimedia/journals/signal/2015/a045714-403.pdf>.
- Benjaparkairat, J. dan Watanachaturaporn, P. (2019) Vehicle Logo Detection Using Sliding Windows with Sobel Edge Features and Recognition Using SIFT Features. In: *2019 16th International Joint Conference on Computer Science and Software Engineering (JCSSE)*. Juli 2019 IEEE. hal. 204–208. tersedia di doi:10.1109/JCSSE.2019.8864185.
- BPS Provinsi DKI Jakarta (2016) *STATISTIK TRANSPORTASI DKI JAKARTA 2016*.
- Bratanič, B., Pernuš, F., Likar, B. dan Tomažević, D. (2014) Real-time rotation estimation using histograms of oriented gradients. *PLoS ONE*. 9 (3). tersedia di doi:10.1371/journal.pone.0092137.
- Chen, C., Lu, X., Shengqin, J. dan Jiaji, S. (2017) An effective vehicle logo recognition method for road surveillance images. *2016 2nd IEEE International Conference on Computer and Communications, ICC3 2016 - Proceedings*. 728–732. tersedia di doi:10.1109/CompComm.2016.7924798.
- Dalal, N. dan Triggs, B. (2005) Histograms of oriented gradients for human detection. In: *Proceedings - 2005 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, CVPR 2005*. 2005 hal. 886–893. tersedia di doi:10.1109/CVPR.2005.177.
- Du, S., Ibrahim, M., Shehata, M. dan Badawy, W. (2013) Automatic license plate recognition (ALPR): A state-of-the-art review. *IEEE Transactions on Circuits and Systems for Video Technology*. 23 (2) hal.311–325. tersedia di doi:10.1109/TCSVT.2012.2203741.
- Farag, M.S., Mohie El Din, M.M. dan El Shenbary, H.A. (2019) Parking entrance control using license plate detection and recognition. *Indonesian Journal of Electrical Engineering and Computer Science*. 15 (1), 476–483. tersedia di doi:10.11591/ijeecs.v15.i1.pp476-483.
- Gonzalez, R. dan Woods, R. (2002) *Digital image processing*. tersedia di doi:10.1016/0734-189X(90)90171-Q.
- Gonzalez, R.C. dan Woods, R.E. (2018) *Digital Image Processing, 4th Edition*. 4 edisi. Pearson.
- Gou, C., Wang, K., Yao, Y. dan Li, Z. (2016) Vehicle License Plate Recognition Based on Extremal Regions and Restricted Boltzmann Machines. *IEEE Transactions on Intelligent Transportation Systems*. 17 (4), 1096–1107. tersedia di doi:10.1109/TITS.2015.2496545.
- Guo, H., Zhou, W. dan Zhao, Y. (2015) A license plate recognition algorithm based on image processing technology. *Metallurgical and Mining Industry*. 7 (8), 326–332.
- Han, J., Yao, J., Zhao, J., Tu, J. dan Liu, Y. (2019) Multi-oriented and scale-invariant license plate detection based on convolutional neural networks. *Sensors*

- (Switzerland). 19 (5), 1–19. tersedia di doi:10.3390/s19051175.
- Heo, J. dan Heo, S.W. (2019) A novel license plate detection approach for an embedded system. *IEIE Transactions on Smart Processing and Computing*. 8 (1), 14–21. tersedia di doi:10.5573/IEIESPC.2019.8.1.014.
- Hsu, G.-S., Chen, J.-C. dan Chung, Y.-Z. (2013) Application-Oriented License Plate Recognition. *IEEE Transactions on Vehicular Technology*. 62 (2), 552–561. tersedia di doi:10.1109/TVT.2012.2226218.
- Iamsa-at, S. dan Horata, P. (2013) Handwritten Character Recognition Using Histograms of Oriented Gradient Features in Deep Learning of Artificial Neural Network. *International Conference on IT Convergence and Security, 2013. (ICITCS2013)*. (1), 1–5. tersedia di doi:10.1109/ICITCS.2013.6717840.
- Kamble, P.M. dan Hegadi, R.S. (2015) Handwritten Marathi character recognition using R-HOG feature. In: *Procedia Computer Science*. 2015 hal. 266–274. tersedia di doi:10.1016/j.procs.2015.03.137.
- Kecman, V. (2005) Support Vector Machines – An Introduction. In: *Support vector machines: theory and applications*. Berlin Heidelberg, Springer. hal. 1–47. tersedia di doi:10.1007/10984697_1.
- Kendall, A., Badrinarayanan, V. dan Cipolla, R. (2017) Bayesian segnet: Model uncertainty in deep convolutional encoder-decoder architectures for scene understanding. *British Machine Vision Conference 2017, BMVC 2017*. tersedia di doi:10.5244/c.31.57.
- Kumar, G. dan Bhatia, P.K. (2014) A detailed review of feature extraction in image processing systems. *International Conference on Advanced Computing and Communication Technologies, ACCT*. 5–12. tersedia di doi:10.1109/ACCT.2014.74.
- Li, B., Tian, B., Li, Y. dan Wen, D. (2013) Component-based license plate detection using conditional random field model. *IEEE Transactions on Intelligent Transportation Systems*. 14 (4), 1690–1699. tersedia di doi:10.1109/TITS.2013.2267054.
- Li, H., Wang, P. dan Shen, C. (2018a) Toward End-to-End Car License Plate Detection and Recognition With Deep Neural Networks. *IEEE Transactions on Intelligent Transportation Systems*. 11 (2), 1–11. tersedia di doi:10.1109/TITS.2018.2847291.
- Li, H., Wang, P., You, M. dan Shen, C. (2018b) Reading car license plates using deep neural networks. *Image and Vision Computing*. 7214–23. tersedia di doi:10.1016/j.imavis.2018.02.002.
- Lu, L. dan Huang, H. (2019) A Hierarchical Scheme for Vehicle Make and Model Recognition from Frontal Images of Vehicles. *IEEE Transactions on Intelligent Transportation Systems*. 20 (5), 1774–1786. tersedia di doi:10.1109/TITS.2018.2835471.
- Matas, J., Chum, O., Urban, M. dan Pajdla, T. (2004) Robust wide-baseline stereo from maximally stable extremal regions. In: *Image and Vision Computing*. 2004 hal. 761–767. tersedia di doi:10.1016/j.imavis.2004.02.006.
- Nafi'I, M.W., Yuniarno, E.M. dan Affandi, A. (2019) Vehicle Brands and Types Detection Using Mask R-CNN. *Proceedings - 2019 International Seminar on Intelligent Technology and Its Application, ISITIA 2019*. 422–427. tersedia di doi:10.1109/ISITIA.2019.8937278.
- Nanni, L., Ghidoni, S. dan Brahnam, S. (2017) Handcrafted vs. non-handcrafted features for computer vision classification. *Pattern Recognition*. 71158–172. tersedia di doi:10.1016/j.patcog.2017.05.025.
- Neumann, L. dan Matas, J. (2015) Efficient Scene Text Localization and Recognition with Local Character Refinement. *13th International Conference on Document*

- Analysis and Recognition - ICDAR'15.* 746–750. tersedia di doi:10.1109/ICDAR.2015.7333861.
- Nugroho, A.S., Witarto, A.B. dan Handoko, D. (2003) Support vector machine. In: *Proceeding of Indonesian Scientific Meeting in Central Japan*. 2003 hal. tersedia di doi:10.1007/978-0-387-73003-5_299.
- Nugroho, K.A. (2019) A Comparison of Handcrafted and Deep Neural Network Feature Extraction for Classifying Optical Coherence Tomography (OCT) Images. *2018 2nd International Conference on Informatics and Computational Sciences, ICICOS 2018*. 141–146. tersedia di doi:10.1109/ICICOS.2018.8621687.
- NVIDIA (2019). GeForce GTX Titan X Performance [Online]. Tersedia di: <https://www.nvidia.com/en-us/geforce/graphics-cards/geforce-gtx-titan-x/performance/> (Diakses: 8 Maret 2021)
- Omar, N., Sengur, A. dan Al-Ali, S.G.S. (2020) Cascaded deep learning-based efficient approach for license plate detection and recognition. *Expert Systems with Applications*. 149. tersedia di doi:10.1016/j.eswa.2020.113280.
- Pizer, S.M. et al. (1987) ADAPTIVE HISTOGRAM EQUALIZATION AND ITS VARIATIONS. *Computer vision, graphics, and image processing*. tersedia di doi:10.1016/S0734-189X(87)80186-X.
- Putra, D. (2010) *Pengolahan Citra Digital*. Penerbit Andi.
- Putro, S.S. (2016) Proses Pemeriksaan Pendahuluan Kecelakaan Lalu Lintas Tabrak Lari Tahun 2014 Di Polres Jombang. *JURNAL NOVUM*. 1 (1).
- Rai, P., 2011. Kernel Methods and Nonlinear Classification. *CS5350/6350: Machine Learning*, 15
- Roy, A.C., Hossen, M.K. dan Nag, D. (2016) License plate detection and character recognition system for commercial vehicles based on morphological approach and template matching. *2016 3rd International Conference on Electrical Engineering and Information Communication Technology (ICEEICT)*. 1–6. tersedia di doi:10.1109/CEEICT.2016.7873098.
- Saini, M.K. dan Saini, S. (2017) Multiwavelet transform based license plate detection. *Journal of Visual Communication and Image Representation*. 44:128–138. tersedia di doi:10.1016/j.jvcir.2017.01.003.
- Schölkopf, B. dan Smola, A.J. (2018) *Learning with Kernels*. The MIT Press. tersedia di doi:10.7551/mitpress/4175.001.0001.
- Selmi, Z., Halima, M. Ben, Pal, U. dan Alimi, M.A. (2020) DELP-DAR system for license plate detection and recognition. *Pattern Recognition Letters*. 129:213–223. tersedia di doi:10.1016/j.patrec.2019.11.007.
- Shrivakshan, G.T. dan Chandrasekar, C. (2012) A Comparison of various Edge Detection Techniques used in Image Processing. *International Journal of Computer Science Issues*. 9 (5), 269–276.
- Silva, S.M. dan Jung, C.R. (2020) Real-time license plate detection and recognition using deep convolutional neural networks. *Journal of Visual Communication and Image Representation*. 71:102773. tersedia di doi:10.1016/j.jvcir.2020.102773.
- Soni, R., Kumar, B. dan Chand, S. (2019) Text detection and localization in natural scene images based on text awareness score. *Applied Intelligence*. 49 (4), 1376–1405. tersedia di doi:10.1007/s10489-018-1338-4.
- Sotheeswaran, S. dan Ramanan, A. (2018) A Coarse-to-Fine Strategy for Vehicle Logo Recognition from Frontal-View Car Images. *Pattern Recognition and Image Analysis*. 28 (1), 142–154. tersedia di doi:10.1134/S1054661818010170.
- Tadic, V., Kiraly, Z., Odry, P., Trpovski, Z. dan Loncar-Turukalo, T. (2020) Comparison of Gabor Filter Bank and Fuzzified Gabor Filter for License Plate Detection. *Acta*

- Polytechnica Hungarica*. 17 (1), 61–81. tersedia di doi:10.12700/aph.17.1.2020.1.4.
- Al Taei, E.J. (2018) The proposed iraqi vehicle license plate recognition system by using prewitt edge detection algorithm. *Journal of Theoretical and Applied Information Technology*. 96 (10), 2754–2764.
- Thomas, A.J., Petridis, M., Walters, S.D., Gheytsi, S.M. dan Morgan, R.E. (2017) Two hidden layers are usually better than one. *Communications in Computer and Information Science*. 744279–290. tersedia di doi:10.1007/978-3-319-65172-9_24.
- Türkyilmaz, I. dan Kaçan, K. (2017) License plate recognition system using artificial neural networks. *ETRI Journal*. 39 (2), 163–172. tersedia di doi:10.4218/etrij.17.0115.0766.
- Wang, Y., Zhao, C., Liu, X., Zhao, M. dan Bai, L. (2018) Fast Cartoon-Texture Decomposition Filtering Based License Plate Detection Method. *Mathematical Problems in Engineering*. 2018. tersedia di doi:10.1155/2018/3901906.
- Yang, S., Zhang, J., Bo, C., Wang, M. dan Chen, L. (2019) Fast vehicle logo detection in complex scenes. *Optics and Laser Technology*. 110 (August 2018), 196–201. tersedia di doi:10.1016/j.optlastec.2018.08.007.
- Yuan, Y., Zou, W., Zhao, Y., Wang, X., Hu, X. dan Komodakis, N. (2017) A Robust and Efficient Approach to License Plate Detection. *IEEE Transactions on Image Processing*. 26 (3), 1102–1114. tersedia di doi:10.1109/TIP.2016.2631901.
- ZHANG, J., YANG, S., BO, C. dan LU, H. (2020) Single Stage Vehicle Logo Detector Based on Multi-Scale Prediction. *IEICE Transactions on Information and Systems*. E103.D (10), 2188–2198. tersedia di doi:10.1587/transinf.2020EDP7088.
- Zhao, J. dan Wang, X. (2019) Vehicle-logo recognition based on modified HU invariant moments and SVM. *Multimedia Tools and Applications*. 78 (1), 75–97. tersedia di doi:10.1007/s11042-017-5254-0.
- Zheng, L., He, X., Samali, B. dan Yang, L.T. (2013) An algorithm for accuracy enhancement of license plate recognition. *Journal of Computer and System Sciences*. 79 (2), 245–255. tersedia di doi:10.1016/j.jcss.2012.05.006.
- Zhou, L., Min, W., Lin, D., Han, Q. dan Liu, R. (2020) Detecting Motion Blurred Vehicle Logo in IoV Using Filter-DeblurGAN and VL-YOLO. *IEEE Transactions on Vehicular Technology*. 69 (4), 3604–3614. tersedia di doi:10.1109/TVT.2020.2969427.
- Zhou, W., Li, H., Lu, Y. dan Tian, Q. (2012) Principal visual word discovery for automatic license plate detection. *IEEE Transactions on Image Processing*. 21 (9), 4269–4279. tersedia di doi:10.1109/TIP.2012.2199506.