

## DAFTAR PUSTAKA

- Arthana, R. (2019). Mengenal Accuracy, Precision, Recall dan Specificity serta yang diprioritaskan dalam Machine Learning. Medium, [online] Tersedia di <<https://rey1024.medium.com/mengenal-accuracy-precision-recall-dan-specificity-serta-yang-diprioritaskan-b79ff4d77de8>> [Diakses 17 November 2022]
- Atimi, R. L. (2013). Pengenalan Karakter Pada Surat Masuk. *Jurnal Sistem Dan Teknologi Informasi*, 1(1), 1-6.
- Casey, Richard & Lecolinet, Eric. (1996). A Survey of methods and strategies in character segmentation. *Pattern Analysis and Machine Intelligence, IEEE Transactions on*, 18(08), 690-706.
- Chandra, S., Pradipta, R., & Alamsyah, D. (2018). Penerapan Algoritma Template Matching Dengan Fitur Ekstraksi PCA Untuk Pengenalan Karakter Pada Citra Surat Izin Mengemudi. *IJCCS*, 1-9.
- Chatterjee, S. (2021). What is Feature Extraction? Feature Extraction in Image Processing. My Great Learning, [online] Tersedia di <<https://www.mygreatlearning.com/blog/feature-extraction-in-image-processing/#:~:text=Feature%20extraction%20is%20a%20part,a%20large%20number%20of%20variables>> [Diakses 30 Agustus 2022]
- Choudhary, A. (2014). A Review of Various Character Segmentation Techniques. *International Journal of Information & Computation Technology*, 4(6), 559–564.
- Deepa, R., & Lalwani, K. N. (2019). Image Classification and Text Extraction using Machine Learning. *2019 3rd International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, 680–684.
- Gayathri, S., & Mohana, R. S. (2019). Optical Character Recognition in Banking Sectors Using Convolutional Neural Network. *Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019*, 753–756.
- Habib, S., Shukla, M.K., Kapoor, R. (2020). Preprocessing for Identification of Degraded Urdu and Devanagari Printed Script. *Computational Intelligence in Pattern Recognition. Advances in Intelligent Systems and Computing*, 1120(44), 519-528.
- Hartanto, S., Sugiharto, A., & Nur Endah, S. (2015). Optical character recognition Algoritma Template Matching Correlation. *Jurnal Masyarakat Informatika*, 5(9), 1–12.
- Ibnutama, K., & Suryanata, M, G. (2020). Ekstraksi Karakter Citra Menggunakan Optical Character Recognition Untuk Pencetakan Nomor Kendaraan Pada Struk Parkir. *Jurnal Media Informatika Budidarma*, 4(4), 1119–1125.
- Iriyanto, S., Y., Zaini, T., M. (2014). Pengolahan Citra Digital. Bandar Lampung: Aura Publishing. Tersedia dari <[https://www.researchgate.net/profile/Suhendro-Irianto/publication/311708107\\_PENGOLAHAN\\_CITRA\\_DIGITAL/links/58565f7408aeff086bfb3b4/PENGOLAHAN-CITRA-DIGITAL.pdf](https://www.researchgate.net/profile/Suhendro-Irianto/publication/311708107_PENGOLAHAN_CITRA_DIGITAL/links/58565f7408aeff086bfb3b4/PENGOLAHAN-CITRA-DIGITAL.pdf)>
- Islam, N., Islam, Z., & Noor, N. (2016). A Survey on Optical Character Recognition System. In *Journal of Information & Communication Technology-JICT* (Vol. 10, Issue 2).
- Jaroji, J., Kurniati, R., & Agustiawan, A. (2017). Image Processing dan Artifical Neural Network Untuk Mengenali Nomor Induk Kependudukan Pada KTP Sebagai

- Pendukung Layanan Mandiri di Kantor Desa. *Digital Zone: Jurnal Teknologi Informasi Dan Komunikasi*, 8(2), 81–90.
- Jundale, T. A., & Hegadi, R. S. (2015). Skew detection and correction of Devanagari script using Hough transform. *Procedia Computer Science*, 45(C), 305–311.
- Kang, Eugine. (2017). Long Short-Term Memory (LSTM): Concept. Medium, [online] Tersedia di <<https://medium.com/@kangeugine/long-short-term-memory-lstm-concept-cb3283934359>> [Diakses 30 Agustus 2022]
- Kusban, M. (2012). Morphological image processing. *Seminar Nasional Pengkajian Dan Penerapan Teknologi Industri Ke-2 (SNPPTI 2011)*, 802–870.
- Liem, S., Gunadi, K., & Tjondrowiguno, A. N. (2019). Penggunaan Convolutional Recurrent Neural Network dan RLSA untuk Mengambil Data pada Akta Kelahiran. *Jurnal Infra*, 7(1), 8–14.
- Meliana, C., Wasono, R., & Al Haris, M. (2017). *Perbandingan Metode Long Short Term Memory (LSTM) DAN Genetic Algorithm-Long Short Term Memory (GA-LSTM) Pada Peramalan Polutan Udara*.
- Mittal, R., & Garg, A. (2020). Text extraction using OCR: A Systematic Review. *Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020*, 357–362.
- Parvez, M., & Mahmoud, S. (2010). Arabic Handwritten Alphanumeric Character Recognition using Fuzzy Attributed Turning Functions. *FAHR 2010: Workshop in Frontiers in Arabic Handwriting Recognition, in Conjunction with 20th International Conference in Pattern Recognition (ICPR), January*, 9–14.
- Patel, C., Patel, A., & Patel, D. (2012). Optical Character Recognition by Open source OCR Tool Tesseract: A Case Study. *International Journal of Computer Applications*, 55(10), 50–56.
- Pratama, B., Y. (2014). Operasi Morfologi Pada Citra Biner. *Komunitas eLearning IlmuKomputer.Com*, 02, 1-5.
- Prum, S. (2016). Text-zone detection and rectification in document images captured by smartphone. *COMPSE 2016 - 1st EAI International Conference on Computer Science and Engineering*, 1–10.
- Putri, D. Z., Puspitaningrum, D., & Setiawan, Y. (2018). Konversi Citra Kartu Nama ke Teks Menggunakan Teknik OCR dan Jaro-Winkler Distance. *Jurnal Teknoinfo*, 12(1), 1–6.
- Ramadjanti, N., Basuki, A., & Agrippina, G. J. W. (2017). Designing mobile application for retrieving book information using optical character recognition. *2016 International Conference on Knowledge Creation and Intelligent Computing, KCIC 2016, November*, 176–181.
- Rismanto, R., Prasetyo, A., & Irawati, D. A. (2020). Optimalisasi Image Thresholding pada Optical Character Recognition Pada Sistem Digitalisasi dan Pencarian Dokumen. *Petir : Jurnal Pengkajian Dan Penerapan Teknik Informatika*, 13(1), 1–11.
- Ryan, M., & Hanafiah, N. (2015). An Examination of Character Recognition on ID card using Template Matching Approach. *International Conference on Computer Science and Computational Intelligence (ICCSCI 2015)*, 59, 520–529.
- S., Akhil. (2016). Overview of *Tesseract OCR Engine*. (Disertasi, National Institute of Technology Calicut, 2016) Diakses dari

<[https://www.researchgate.net/publication/315834331\\_Overview\\_of\\_Tesseract\\_OCR\\_engine](https://www.researchgate.net/publication/315834331_Overview_of_Tesseract_OCR_engine)>

- Santosa, R. D. W., Bijaksana, M. A., & Romadhony, A. (2021). Implementasi Algoritma Long Short-Term Memory (LSTM) untuk Mendeteksi Penggunaan Kalimat Abusive Pada Teks Bahasa Indonesia. *E-Proceeding of Engineering*, 8(1), 691–702.
- Schwarz, Stephane. (2020). Correcting Image Rotation with Hough Transform. Medium, [online] Tersedia di <<https://medium.com/wearesinch/correcting-image-rotation-with-hough-transform-e902a22ad988>> [Diakses 9 Maret 2023]
- Shukla, B. K., Kumar, G., & Kumar, A. (2016). An approach for Skew Detection using Hough Transform. *International Journal of Computer Applications*, 136(9), 20–23.
- Sidhwa, H., Kulshrestha, S., Malhotra, S., & Virmani, S. (2018). Text Extraction from Bills and Invoices. *Proceedings - IEEE 2018 International Conference on Advances in Computing, Communication Control and Networking, ICACCCN 2018*, 564–568.
- Smith, R. (2007). An Overview of the Tesseract OCR Engine. In R. Smith & Google Inc. (Eds.), *Ninth International Conference on Document Analysis and Recognition (ICDAR 2007)*. 2, 629–633.
- Smith, Raymond. (2009). Hybrid Page Layout Analysis via Tab-Stop Detection. Proceedings of the International Conference on Document Analysis and Recognition, ICDAR. 241-245.
- Sommerville, Ian. (2011). *Software Engineering (Rekayasa Perangkat Lunak)*. Jakarta: Erlangga.
- Sonka, M., Hlavac, V., Boyle, R. (2008). Image Processing, Analysis, and Machine Vision. Canada: Nelson Education. Tersedia dari <<https://kgut.ac.ir/useruploads/1550563201478ety.pdf>>
- Sulistiyanti, S. R., Setyawan, F.A., & Komarudin, M. (2016). Pengolahan Citra:Dasar dan Contoh-contoh Penerapannya. Yogyakarta: Teknosain.
- Susanto, R., P. Putri, F., & Widya Wiratama, Y. (2018). Skew detection based on vertical projection in latin character recognition of text document image. *International Journal of Engineering & Technology*, 7(4.44), 198.
- Sutoyo,T., W, Banedicta, Rini. (2009). Teori Pengolahan Citra Digital. Yogyakarta: Andi Offset.
- Thammarak, K., Kongkla, P., Sirisathitkul, Y., & Intakosum, S. (2022). Comparative analysis of Tesseract and Google Cloud Vision for Thai vehicle registration certificate. *International Journal of Electrical and Computer Engineering*, 12(2), 1849–1858.
- Widodo, S., & Gunawan. (2015). Template Matching pada Citra E-KTP Indonesia. *Seminar Nasional Teknologi Informasi, Komunikasi Dan Aplikasinya*, 03(6), 30–35.