DAFTAR PUSTAKA

- [1] Badan Pusat Statistik, 2017. Statistik Indonesia Tahun 2017. Bandung : Badan Pusat Statistik
- [2] Rahma, Arif. (2011). Kamus Indonesia Arab. Jakarta: Sarana Ilmiah.
- [3] [Anonim]. Modul Hikmah Bahasa Arab. : Akik Pustaka.
- [4] Hathaiwichian, Phanupong, Lapas Siriwittayacharoen, Apinat Wongwachirawanich, and Chaiyong Ragkhitwetsagul. (2014). *Android Application for Event Management and Information Propagation*. 2014 Third ICT International Student Project Conference (ICT-ISPC2014).
- [5] Zhao, Xueliang and Dan tian. (2012). *The Architecture Design of Streaming Media Applications for Android OS*. Software Engineering and Service Science (ICSESS), 2012 IEEE 3rd International Conference on.
- [6] Wang, Chao, Wei Duan, Jianzhang Ma, Chenhui Wang. (2012). The research of Android System Architecture and application programming. 2011 International Conference on Computer Science and Network Technology.
- [7] Reza, Hassan and Narayana Mazumder. (2012). *A Secure Software Architecture for Mobile Computing*. 2012 Ninth International Conference on Information Technology New Generations.
- [8] Berchmans, Deepa, S S Kumar. (2014). *Optical Character Recognition:*An Overview and an Insight. 2014 International Conference on Control,
 Instrumentation, Communication and Computational Technologies
 (ICCICCT).
- [9] Ganapathy, Velappa and Charles C. H. Lean. (2010). *Optical Character Recognition Program for Images of Printed Text using a Neural Network*. Information and Emerging Technologies (ICIET), 2010 International Conference on.
- [10] Mavridaki, Eftichia and Vasileios Mezaris. (2014). NO-REFERENCE BLUR ASSESSMENT IN NATURAL IMAGES USING FOURIER

- TRANSFORM AND SPATIAL PYRAMIDS. Proc. IEEE Int. Conf. on Image Processing (ICIP 2014).
- [11] Murtiwiyati, Gleen Lauren, 2013, "Rancang Bangun Aplikasi Pembelajaran Budaya Indonesia Anak Sekolah Dasar Berbasis Android". Jurnal Ilmiah Komputasi 2013 Volume: 12, Jakarta.
- [12] Lim, Wei Hong and Nor Ashidi Mat Isa. (2017). Color to Grayscale Conversion Based On Neighborhood Pixels Effect Approach for Digital Image. ELECO 2011 7th International Conference on Electrical and Electronics Engineering, 1-4 December, Bursa, TURKEY.
- [13] Loo, S. K. Ng, Member, IEEE, Y. M. Lai, Senior Member, IEEE, and Chi K. Tse, Fellow, and IEEE. (2014). "Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging". IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, VOL. 61, NO. 4, APRIL 2014.
- [14] Culjak, Ivan, David Abram, and Tomislav Pribanic. (2012). A brief introduction to OpenCV. 2012 Proceedings of the 35th International Convention MIPRO.
- [15] OpenCv, "About" 2018, https://opencv.org/about.html. Diakses 14 Juni 2018.
- [16] Wang, Yu-Shuen, Chiew-Lan Tai, olga srkine, and Tong-Yee Lee. (2008). "Optimized Scale-and-Stretch for Image Resizing". ACM Transactions on Graphics (TOG) Volume 27 issue 5, December 2008.
- [17] Roy Payel, Goutami Dey, Surab Diutta, Sayan Chakraborty, Nilanjan Dey, and Ruben Rey. (2014). "Adaptive Thresholding: A comparative study".
 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT).
- [18] Sivakumar1, V, V. Murugesh. (2014). A Brief Study of Image Segmentation using Thresholding Technique on a Noisy Image. CICES2014 S.A.Engineering College, Chennai, Tamil Nadu, India.
- [19] Maitra, Durjoy Sen, Ujjwal Bhattachaya, and Swapan K. Parui. (2015).
 CNN Based Common Approach to Handwritten Character Recognition of Multiple Scripts. 2015 13th International Conference on Document Analysis and Recognition (ICDAR).

- [20] Alwzwazy, Haider A, Hayder M. Albehadili, Younes S. Alwan, Naz E. Islam. (2016). *Handwritten Digit Recognition Using Convolutional Neural Networks*. International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization). Vol. 4, Issue 2, February 2016.
- [21] Song, Xuechen, Xue Gao, Yanfang Din, and Zhixin Wang. (2016). *A Handwritten Chinese Characters Recognition Method Based on Sample Set Expansion and CNN*. The 2016 3rd International Conference on Systems and Informatics (ICSAI 2016).
- [22] Rawat, Waseem, Zenghui Wang. (2017). Deep Convolutional Neural Networks for Image Classification: A Comprehensive Review. Neural Computation Archive Volume 29 Issue 9, September 2017 Pages 2352-2449.
- [23] Akhand, M. A. H. Md, Mahbubar Rahman, and M. M. Hafizur Rahman. (2015). BangIa Handwritten Numeral Recognition using Convolutional Neural Network. 2nd Int'l Conf on Electrical Engineering and Information & Communication Technology (ICEEICT) 2015 Jahangirnagar University, Dhaka-1342, Bangladesh, 21-23 May 2015.
- [24] Chaple, Girish N., R. D. Daruwala, and Manoj S. Gofane. (2015). "Comparisions of Robert, Prewitt, Sobel operator based edge detection methods for real time uses on FPGA". 2015 International Conference on Technologies for Sustainable Development (ICTSD-2015), Feb. 04 06, 2015, Mumbai, India.
- [25] P, I Wayan Suartika E, Arya Yudhi Wijaya, and Soelaimann Rully. (2016). Klasifikasi Citra Menggunakan Convolutional Neural Network (Cnn) pada Caltech 101. Teknik Informatika, Fakultas Teknologi Informasi, Institut Teknologi Sepuluh Nopember (ITS).
- [26] Ramadhan, Irwansyah, Bedy Purnama, and Said Al Faraby. (2016).
 Convolutional Neural Networks Applied to Handwritten Mathematical
 Symbols Classification. 2016 Fourth International Conference on
 Information and Communication Technologies (ICoICT).

- [27] M, Hossin and Sulaimann M.N. (2015). A REVIEW ON EVALUATION METRICS FOR DATA CLASSIFICATION EVALUATIONS. International Journal of Data Mining & Knowledge Management Process (IJDKP) Vol.5, No.2, March 2015.
- [28] Sommerville I, "Software Engineering (9th Edition)", Pearson, United State, 2010.
- [29] El-Sawy, Ahmed, Mohamed Loey, and Hazem EL-Bakry. (2017). *Arabic Handwritten Characters Recognition using Convolutional Neural Network*. WSEAS TRANSACTIONS on COMPUTER RESEARCH.
- [30] Akhand, M. A. H. Md. Mahbubar Rahman. and M. M. Hafizur Rahman. (2015).
 BangIa Handwritten Numeral Recognition using Convolutional Neural Network.
 2nd Int'l Conf on Electrical Engineering and Information & Communication
 Technology (ICEEICT) 2015 Jahangirnagar University, Dhaka-1342,
 Bangladesh, 21-23 May 2015.