DAFTAR PUSTAKA

Aditya, A., Nurina Sari, B., Nur Padilah, T., sitasi, C., Aditya, A., Sari, B. N., Padilah, T., & pengukuran jarak Euclidean dan Gower, P. (2021). Perbandingan pengukuran jarak Euclidean dan Gower pada klaster k-medoids. *Jurnal Teknologi Dan Sistem Komputer*, *9*(1), 1–7. https://doi.org/10.14710/jtsiskom.2021.13747

Attallah, B., Serir, A., Chahir, Y., & Boudjelal, A. (2017). Histogram of gradient and binarized statistical image features of wavelet subband-based palmprint features extraction. *Journal of Electronic Imaging*, *26*(06), 1. https://doi.org/10.1117/1.jei.26.6.063006

Berrar, D. (2018). Cross-validation. In *Encyclopedia of Bioinformatics and Computational Biology: ABC of Bioinformatics* (Vols. 1–3, pp. 542–545). Elsevier. https://doi.org/10.1016/B978-0-12-809633-8.20349-X

Bharadwaj, S., Deepika, K., & Upadhyay, K. (2021). Improved biometric iris recognition using watershed transform. *Journal of Physics: Conference Series*, *1714*(1). https://doi.org/10.1088/1742-6596/1714/1/012035

Biu, H. A., Husain, R., & Magaji, A. S. (2018). AN ENHANCED IRIS RECOGNITION AND AUTHENTICATION SYSTEM USING ENERGY MEASURE. *Science World Journal*, *13*(1). www.scienceworldjournal.org

Childs, A., Li, H., Lewittes, D. M., Dong, B., Liu, W., Shu, X., Sun, C., & Zhang, H. F. (2016). Fabricating customized hydrogel contact lens. *Scientific Reports*, *6*. https://doi.org/10.1038/srep34905

Czajka, A., Moreira, D., Bowyer, K. W., & Flynn, P. J. (2019). Domain-specific human-inspired binarized statistical image features for Iris recognition. *Proceedings - 2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019*, 959–967. https://doi.org/10.1109/WACV.2019.00107

Daugman, J. (2004). How Iris Recognition Works. *IEEE Transactions on Circuits and Systems for Video Technology*, *14*(1), 21–30. https://doi.org/10.1109/TCSVT.2003.818350

Dhanya, S., & Kumari Roshni, V. S. (2016). Comparison of various texture classification methods using multiresolution analysis and linear regression modeling. *SpringerPlus*, *5*(1), 1–18. https://doi.org/10.1186/s40064-015-1631-1

Don, A., Africa, M., & Velasco, J. (2017). *Development of a urine strip analyzer using artificial neural network using an android phone Test paper checker View project A Smartphone-Based Skin Disease Classification Using MobileNet CNN View project*. https://www.researchgate.net/publication/324827420

Doyle, J. S., & Bowyer, K. W. (2015a). Robust Detection of Textured Contact Lenses in Iris Recognition Using BSIF. *IEEE Access*, *3*, 1672–1683. https://doi.org/10.1109/ACCESS.2015.2477470

Doyle, J. S., & Bowyer, K. W. (2015b). Robust Detection of Textured Contact Lenses in Iris Recognition Using BSIF. *IEEE Access*, *3*, 1672–1683. https://doi.org/10.1109/ACCESS.2015.2477470

Dronky, M. R., Khalifa, W., & Roushdy, M. (2019). *Impact of segmentation on iris liveness detection*.

Dronky, M. R., Khalifa, W., & Roushdy, M. (2021). Using residual images with BSIF for iris liveness detection. *Expert Systems with Applications*, *182*. https://doi.org/10.1016/j.eswa.2021.115266

Eko Prasetyo. (2011). *Pengolahan citra digital dan aplikasinya : menggunakan Matlab: Vol. 403 halaman* (ANDY, Ed.).

Gautam, G., & Mukhopadhyay, S. (2020). Challenges, taxonomy and techniques of iris localization: A survey. In *Digital Signal Processing: A Review Journal* (Vol. 107). Elsevier Inc. https://doi.org/10.1016/j.dsp.2020.102852

Gopala Krishnan, K., & Vanathi, P. T. (2018). An efficient texture classification algorithm using integrated Discrete Wavelet Transform and local binary pattern features. *Cognitive Systems Research*, *52*, 267–274. https://doi.org/10.1016/j.cogsys.2018.07.015

Gragnaniello, D., Poggi, G., Sansone, C., & Verdoliva, L. (2016). Using iris and sclera for detection and classification of contact lenses. *Pattern Recognition Letters*, *82*, 251–257. https://doi.org/10.1016/j.patrec.2015.10.009

Hyva ̈rinen, A., Hurri, J., & O. Hoyer, P. (2009). *Natural Image Statistics* (Vol. 448).

Jan, F., & Min-Allah, N. (2020). An effective iris segmentation scheme for noisy images. *Biocybernetics and Biomedical Engineering*, *40*(3), 1064–1080. https://doi.org/10.1016/j.bbe.2020.06.002

Jollife, I. T., & Cadima, J. (2016). Principal component analysis: A review and recent developments. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, *374*(2065). https://doi.org/10.1098/rsta.2015.0202

Kannala, J., & Rahtu, E. (2012). *BSIF: Binarized Statistical Image Features*.

Kashyap, N., & SINHA, G. R. (2012). Image Watermarking Using 3-Level Discrete Wavelet Transform (DWT). *International Journal of Modern Education and Computer Science*, *4*(3), 50–56. https://doi.org/10.5815/ijmecs.2012.03.07

Kaur, B., Singh, S., & Kumar, J. (2019). Cross-sensor iris spoofing detection using orthogonal features. *Computers and Electrical Engineering*, *73*, 279–288. https://doi.org/10.1016/j.compeleceng.2018.12.002

Kaur, S., & Kaur, P. (2015). Review and Analysis of Various Image Enhancement Techniques. *International Journal of Computer Applications Technology and Research*, *4*(5), 414–418. https://doi.org/10.7753/ijcatr0405.1016

Kociolek, M., Materka, A., Strzelecki, M., & Szczypinski, P. (2001). Discrete Wavelet Transform – Derived Features for Digital Image Texture Analysis. *International Conference on Signals and Electronic Systems*, *September*, 163–168.

Kulkarni, P. (2019). *Textured Contact Lenses Detection in Iris Recognition Using Weber Local Descriptor (WLD)* (Vol. 6). JETIR.

Kumar, B., Nigam, A., & Gupta, P. (2016). *Fully Automated Soft Contact Lens Detection from NIR Iris Images*.

Laiadi, O., Ouamane, A., Benakcha, A., Taleb-Ahmed, A., & Hadid, A. (2021). A weighted exponential discriminant analysis through side-information for face and kinship

verification using statistical binarized image features. *International Journal of Machine Learning and Cybernetics*, *12*(1), 171–185. https://doi.org/10.1007/s13042-020-01163-x

Nigam, A., Kumar, B., & Gupta, P. (2015). Robust Contact Lens Detection Using Local Phase Quantization and Binary Gabor Pattern. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, *9256*, 702–714. https://doi.org/10.1007/978-3-319-23192-1

Parhizkar, T., Rafieipour, E., & Parhizkar, A. (2021). Evaluation and improvement of energy consumption prediction models using principal component analysis based feature reduction. *Journal of Cleaner Production*, *279*. https://doi.org/10.1016/j.jclepro.2020.123866

Pasula, R. (2011). *Iris Recognition in Multiple Spectral Bands: From Visible to Short Iris Recognition in Multiple Spectral Bands: From Visible to Short Wave Infrared Wave Infrared*. https://researchrepository.wvu.edu/etd

Rana, H. K., Azam, M. S., Akhtar, M. R., Quinn, J. M. W., & Moni, M. A. (2019). A fast iris recognition system through optimum feature extraction. *PeerJ Computer Science*, *2019*(4), 1–13. https://doi.org/10.7717/peerj-cs.184

Refaeilzadeh, P., Tang, L., & Liu, H. (2009). *Cross-Validation*.

Sarfraz, M., & Ridha, A. (2007). *Content-based Image Retrieval using Multiple Shape Descriptors*.

Singh, G., Singh, R. K., Saha, R., & Agarwal, N. (2020). IWT Based Iris Recognition for Image Authentication. *Procedia Computer Science*, *171*, 1868–1876. https://doi.org/10.1016/j.procs.2020.04.200

Sun Yangqing, H. Y. (2018). *Image Preprocessing of Iris Recognition*. IEEE.

Ţălu, Ş., & Giovanzana, S. (2011). *Ophthalmology View project solar cells View project*. http://www.hvm.bioflux.com.ro

Yadav, D., Kohli, N., Doyle, J. S., Singh, R., Vatsa, M., & Bowyer, K. W. (2013a). *Unraveling the Effect of Textured Contact Lenses on Iris Recognition*. http://www3.nd.edu/

Yadav, D., Kohli, N., Doyle, J. S., Singh, R., Vatsa, M., & Bowyer, K. W. (2013b). *Unraveling the Effect of Textured Contact Lenses on Iris Recognition*. http://www3.nd.edu/