DAFTAR PUSTAKA

[1] J. Rana dan SM Galib, "Deteksi katarak menggunakan smartphone," dalam Proc. 3rd Int. Conf. Electr. Inf. Commun. Technol. (EICT), Desember 2017.

[2] M. S. Junayed, M. B. Islam, A. Sadeghzadeh, and S. Rahman, "CataractNet: An Automated Cataract Detection System Using Deep Learning for Fundus Images," *IEEE Access*, vol. 9, pp. 128799–128808, Sep. 2021, doi: 10.1109/ACCESS.2021.3112938.

[3] Raden Gunawan Effendi, "Dampak Secara ekonomi dalam pembiayaan gangguan kebutaan akibat katarak di kabupaten lombok barat," Journal of Ilmu Kesehatan Strada Indonesia, vol. 1279, no. 1020, pp. 8687, Juli 2024.

[4] D. A. Rahman, "Deteksi Katarak Melalui Gambar Mata Menggunakan Transfer Learning," Program Studi Teknik Informatika, Fakultas Sains dan Teknologi, Universitas Islam Negeri Syarif Hidayatullah Jakarta 2023.

[5] Wang, J., & Smith, R. (2022). "Real-time Cataract Screening Using Mobile Devices." IEEE Transactions on Medical Imaging, 41(8), 1876-1889.

[6] Li, Y., Tang, M., Zhang, X., & Wang, J. (2018). Quantitative Analysis of Corneal Inflammation Using a Slit-Lamp Photography System. IEEE Transactions on Medical Imaging, 37(8), 1930-1938. https://doi.org/10.1109/TMI.2018.2815081

[7] Li, Z., Guo, C., Nie, D., Lin, D., Zhu, Y., Chen, C., & Li, G. (2021). Automated glaucoma detection from fundus images using deep learning: A review. IEEE Journal of Biomedical and Health Informatics, 25(6), 2077-2090. https://doi.org/10.1109/JBHI.2020.3047742

[8] Zhang, Y., Li, H., Yang, X., & Liu, L. (2020). RAAV: A rapid automated visual acuity assessment system using deep learning. IEEE Journal of Biomedical and Health Informatics, 24(9), 2512-2520. https://doi.org/10.1109/JBHI.2020.2982286

[9] Chen, Y., Liu, H., Wang, F., & Zhang, X. (2020). Development of an automated retinoscopy system with adaptive optics. IEEE Transactions on Biomedical Engineering, 67(6), 1597-1604. https://doi.org/10.1109/TBME.2019. 2942936

[10] Fujimoto, J. G., & Swanson, E. (2016). The development, commercialization, and impact of optical coherence tomography. IEEE Journal of Selected Topics in Quantum Electronics, 22(3), 6800515. https://doi.org/10.1109/JSTQE.2016.2555979

[11] Raghavendra, U., et al. (2017) - Deep Learning for Automated Detection of Cataract. IEEE Access.

[12] Xu, X., et al. (2020) - Cataract Detection Using Deep Learning on Ocular Images. Scientific Reports.

[13] Simanjuntak, R. B. J., Fu'adah, Y., Magdalena, R., Saidah, S., Wiratama, A. B., & Ubaidah, I. D. S. (2025). Cataract classification based on fundus images using convolutional neural network. School of Electrical Engineering, Telkom University.

[14] X. Zhao, L. Wang, Y. Zhang, X. Han, M. Deveci, and M. Parmar, "A review of convolutional neural networks in computer vision," Artificial Intelligence Review, accepted Feb. 4, 2024, published online Mar. 23, 2024.

[15] S. Sathyanarayanan and B. R. Tantri, "Confusion matrix-based performance evaluation metrics," International Journal of Engineering and Advanced Technology (IJEAT), vol. 9, no. 6, pp. 742–745, Nov. 2024.

[16] Arfat, I. K., Magdalena, R., & Saidah, S. (2023). *Strawberry plant diseases classification using CNN based on MobileNetV3-Large and EfficientNet-B0 architecture*. Jurnal Ilmiah Teknik Informatika, Universitas Ahmad Dahlan. https://eprints.uad.ac.id/

[17] S. Bao, S. M. Damon, B. A. Landman, and A. Gokhale, "Performance management of high performance computing for medical image processing in Amazon Web Services," *Proc. SPIE Int. Soc. Opt. Eng.*, vol. 9789, Feb. 2016, doi: 10.1117/12.2217396

[18] Long, E., Lin, H., Liu, Z., Wu, X., Wang, L., Jiang, J., & Lin, D. An Artificial Intelligence Platform for the Multihospital Collaborative Management of Cataract. Journal of Medical Internet Research, 19(11), e268.

[19] M. F. Lie, M. Sánchez-Gordón, and R. Colomo-Palacios, "DevOps in an ISO 13485 regulated environment: A multivocal literature review," *Association for Computing Machinery*, 2020, Bari, Italy.

[20] J. van Vroonhoven, "Risk management for medical devices and the new BS EN ISO 14971," *BSI White Paper Series*, July 2022.

[21] N. Kasisopha and P. Meananeatra, "Applying ISO/IEC 29110 to ISO/IEC 62304 for medical device software," *Association for Computing Machinery*, 2019.

[22] O. Guzel and E. I. Guner, ISO 15189 Accreditation: Requirements for Quality and Competence of Medical Laboratories, Experience of a Laboratory, Centro Laboratuvarlari, Gursel Mahallesi, Kagithane Caddesi, Istanbul, Turkey, 2008.

[23] A. Cambiaghi, Biological Evaluation of Medical Devices as an Essential Part of the Risk Management Process: Updates and Challenges of ISO 10993-1, Eurofins Medical Device Testing, 2018.

[24] G. Culot, G. Nassimbeni, M. Podrecca, and M. Sartor, "The ISO/IEC 27001 information security management standard: Literature review and theory-based research agenda," Polytechnic Department of Engineering and Architecture, University of Udine, Udine, Italy, 2020.

[25] T. Mentler and M. Herczeg, "Applying ISO 9241-110 Dialogue Principles to Tablet Applications in Emergency Medical Services," Institute for Multimedia and Interactive Systems, University of Luebeck, Germany, 2013.

[26] Liu, X., Faes, L., Kale, A. U., Wagner, S. K., Fu, D. J., Bruynseels, A., ... & Denniston, A. K. (2019). A comparison of deep learning performance against health care professionals in detecting diseases from medical imaging: a systematic review and meta-analysis. The Lancet Digital Health, 1(6), e271-e297.

[27] Aggarwal, R., Sounderajah, V., Martin, G., Ting, D. S., Karthikesalingam, A., King, D., ... & Darzi, A. (2021). Diagnostic accuracy of deep learning in medical imaging: a systematic review and meta-analysis. npj Digital Medicine, 4(1), 65.

[28] Hussain, Z., Gimenez, F., Yi, D., & Rubin, D. (2017). Deep Learning Approaches for Medical Image Analysis and Diagnosis. Journal of Medical Internet Research, 19(7), e7563.

[29] Towards Data Science, “Accuracy, Precision, Recall or F1” Medium; 2018 Accessed: May, 31, 2024. [Online]. Available : https://towardsdatascience.com/accuracy precision-recall-or-f1-331fb37c5cb9

[30] K. Maharana, S. Mondal, and B. Nemade, "A Review: Data Pre-Processing and Data Augmentation Techniques,” Glob. Transitions Proc., vol. 3, no. 1, pp. 91-99, 2022, doi: 10.1016/j.gltp.2022.04.020.

[31] I. N. Alam, "METODE TRANSFER LEARNING PADA DEEPCONVOLUTIONAL NEURAL NETWORK (DCNN) UNTUK PENGENALAN EKSPRESI WAJAH

Image-based Facial Emotion Recognition Indonesian Mixed Emotion Datasets (IMED) Using Lightweight CNN and Transfer Learning Approach View project," no. October, 2022. [Online]. Available: https://www.researchgate.net/publication/364330227

[32] Y. N. FUADAH, I. D. UBAIDULLAH, N. IBRAHIM, F. F.TALININGSING, N. K. SY, and M. A. PRAMUDITHO, "Optimasi Convolutional Neural Network dan K-Fold Cross Validation pada Sistem Klasifikasi Glaukoma," ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron., vol. 10, no. 3, p. 728, 2022, doi: 10.26760/elkomika.v10i3.728.

[33] N. Rochmawati, H. B. Hidayati, Y. Yamasari, H. P. A. Tjahyaningtijas, W.Yustanti, and A. Prihanto, "Analisa Learning Rate dan Batch Size pada Klasifikasi Covid Menggunakan Deep Learning dengan Optimizer Adam," J. Inf. Eng. Educ. Technol., vol. 5, no. 2, pp. 44-48, 2021, doi:10.26740/jieet.v5n2.p44-48.