

DAFTAR PUSTAKA

- [1] U. Nations, “World Population Prospects 2019: Data Booklet,” Jun. 2019, doi: 10.18356/3E9D869F-EN.
- [2] delli noviarti and C. chairil, “ANALISIS SISTEM PROTEKSI KEBAKARAN DI KAWASAN PADAT PENDUDUK (STUDI KASUS PADA KELURAHAN KERTAPATI PALEMBANG),” *TEKNIKA: Jurnal Teknik*, vol. 5, no. 2, pp. 117–129, Jan. 2019, doi: 10.35449/TEKNIKA.V5I2.97.
- [3] D. Winberg, “International Fire Death Rate Trends,” 2016.
- [4] G. Kurlick, “Stop, drop, and roll: Workplace hazards of local government firefighters, 2009,” *Monthly labor review / U.S. Department of Labor, Bureau of Labor Statistics*, vol. 135, pp. 18–25, Aug. 2012.
- [5] S. Ramasubramanian, S. A. Muthukumaraswamy, and A. Sasikala, “Fire Detection using Artificial Intelligence for Fire-Fighting Robots,” *Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020*, pp. 180–185, May 2020, doi: 10.1109/ICICCS48265.2020.9121017.
- [6] J. Guo, Z. Hou, X. Xie, S. Yao, Q. Wang, and X. Jin, “Faster R-CNN Based Indoor Flame Detection for Firefighting Robot,” *2019 IEEE Symposium Series on Computational Intelligence, SSCI 2019*, pp. 1390–1395, Dec. 2019, doi: 10.1109/SSCI44817.2019.9002843.
- [7] H. D. Duong and D. T. Tinh, “An efficient method for vision-based fire detection using SVM classification,” *2013 International Conference on Soft Computing and Pattern Recognition, SoCPaR 2013*, pp. 190–195, 2013, doi: 10.1109/SOCPAR.2013.7054125.
- [8] A. Q. Nguyen, H. T. Nguyen, V. C. Tran, H. X. Pham, and J. Pestana, “A Visual Real-time Fire Detection using Single Shot MultiBox Detector for UAV-based Fire Surveillance,” *ICCE 2020 - 2020 IEEE 8th International Conference on Communications and Electronics*, pp. 338–343, Jan. 2021, doi: 10.1109/ICCE48956.2021.9352080.
- [9] R. Xu, H. Lin, K. Lu, L. Cao, and Y. Liu, “A Forest Fire Detection System Based on Ensemble Learning,” *Forests 2021, Vol. 12, Page 217*, vol. 12, no. 2, p. 217, Feb. 2021, doi: 10.3390/F12020217.

- [10] M. Kanwar and L. Agilandeswari, "IOT Based Fire Fighting Robot," *2018 7th International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions, ICRITO 2018*, pp. 718–723, Aug. 2018, doi: 10.1109/ICRITO.2018.8748619.
- [11] S. Zhao, B. Liu, Z. Chi, T. Li, and S. Li, "Characteristics Based Fire Detection System Under the Effect of Electric Fields With Improved Yolo-v4 and ViBe," *IEEE Access*, vol. 10, pp. 81899–81909, 2022, doi: 10.1109/ACCESS.2022.3190867.
- [12] M. Kulshreshtha, S. S. Chandra, P. Randhawa, G. Tsaramirsis, A. Khadidos, and A. O. Khadidos, "OATCR: Outdoor Autonomous Trash-Collecting Robot Design Using YOLOv4-Tiny," *Electronics 2021, Vol. 10, Page 2292*, vol. 10, no. 18, p. 2292, Sep. 2021, doi: 10.3390/ELECTRONICS10182292.
- [13] M. Madhar, "RANCANG BANGUN SISTEM MONITORING DETEKSI DINI KEBAKARAN DENGAN FITUR GPS BERBASIS WEBSITE," *JATI (Jurnal Mahasiswa Teknik Informatika)*, vol. 2, no. 1, pp. 367–372, Mar. 2018, doi: 10.36040/JATI.V2I1.1692.
- [14] S. Suwarjono *et al.*, "Design of a Home Fire Detection System Using Arduino and SMS Gateway," *Knowledge 2021, Vol. 1, Pages 61-74*, vol. 1, no. 1, pp. 61–74, Nov. 2021, doi: 10.3390/KNOWLEDGE1010007.
- [15] A. Anton, N. F. Nissa, A. Janiati, N. Cahya, and P. Astuti, "Application of Deep Learning Using Convolutional Neural Network (CNN) Method for Womenâ€™s Skin Classification," *Scientific Journal of Informatics*, vol. 8, no. 1, pp. 144–153, May 2021, doi: 10.15294/SJI.V8I1.26888.
- [16] S. Mostafa and F. X. Wu, "Diagnosis of autism spectrum disorder with convolutional autoencoder and structural MRI images," *Neural Engineering Techniques for Autism Spectrum Disorder: Volume 1: Imaging and Signal Analysis*, pp. 23–38, Jan. 2021, doi: 10.1016/B978-0-12-822822-7.00003-X.
- [17] H. Rezatofighi, N. Tsoi, J. Gwak, A. Sadeghian, I. Reid, and S. Savarese, "Generalized Intersection over Union: A Metric and A Loss for Bounding Box Regression," *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, vol. 2019-June, pp. 658–666, Feb. 2019, doi: 10.48550/arxiv.1902.09630.

- [18] O. J. M. Al-Furaiji, N. A. Tuan, and T. V. Yurevich, “A new fast efficient non-maximum suppression algorithm based on image segmentation,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 19, no. 2, pp. 1062–1070, Aug. 2020, doi: 10.11591/IJEECS.V19.I2.PP1062-1070.
- [19] J. Redmon, S. Divvala, R. Girshick, and A. Farhadi, “You only look once: Unified, real-time object detection,” *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, vol. 2016-December, pp. 779–788, Dec. 2016, doi: 10.1109/CVPR.2016.91.
- [20] A. Mikołajczyk and M. Grochowski, “Data augmentation for improving deep learning in image classification problem,” *2018 International Interdisciplinary PhD Workshop, IIPHDW 2018*, pp. 117–122, Jun. 2018, doi: 10.1109/IIPHDW.2018.8388338.
- [21] A. Bochkovskiy, C.-Y. Wang, and H.-Y. M. Liao, “YOLOv4: Optimal Speed and Accuracy of Object Detection,” Apr. 2020, doi: 10.48550/arxiv.2004.10934.
- [22] D. M. W. Powers and Ailab, “Evaluation: from precision, recall and F-measure to ROC, informedness, markedness and correlation,” Oct. 2020, doi: 10.48550/arxiv.2010.16061.
- [23] M. Everingham, L. van Gool, C. K. I. Williams, J. Winn, and A. Zisserman, “The Pascal Visual Object Classes (VOC) Challenge,” *International Journal of Computer Vision 2009* 88:2, vol. 88, no. 2, pp. 303–338, Sep. 2009, doi: 10.1007/S11263-009-0275-4.
- [24] E. Zhang and Y. Zhang, “Eleven Point Precision-recall Curve,” *Encyclopedia of Database Systems*, pp. 981–982, 2009, doi: 10.1007/978-0-387-39940-9_481.
- [25] S. Yang, W. Xiao, M. Zhang, S. Guo, J. Zhao, and F. Shen, “Image Data Augmentation for Deep Learning: A Survey,” Apr. 2022, doi: 10.48550/arxiv.2204.08610.
- [26] S. Cho, C. Seo, D.-J. Shin, and J.-J. Kim, “A Deep Learning Framework Performance Evaluation to Use YOLO in Nvidia Jetson Platform,” *Applied Sciences 2022, Vol. 12, Page 3734*, vol. 12, no. 8, p. 3734, Apr. 2022, doi: 10.3390/APP12083734.