

REFERENCE

- Aningtiyas, P. R., Sumin, A., & Wirawan, S. (2020). Pembuatan Aplikasi Deteksi Objek Menggunakan TensorFlow Object Detection API dengan Memanfaatkan SSD MobileNet V2 Sebagai Model Pra-Terlatih: Array. *Jurnal Ilmiah Komputasi*, 19(3), 421-430.
- Alwanda, M. R., Ramadhan, R. P. K., & Alamsyah, D. (2020). Implementasi Metode Convolutional Neural Network Menggunakan Arsitektur LeNet-5 untuk Pengenalan Doodle. *Jurnal Algoritme*, 1(1), 45-56.
- Cai, S., Li, G., & Shan, Y. (2022). Underwater object detection using collaborative weakly supervision. *Computers and Electrical Engineering*, 102, 108159.
- Cheng, Q., Wang, Y. M., & Zhang, Y. L. (2021). Analysis of the polarization characteristics of scattered light of underwater suspended particles based on Mie theory. *Optoelectronics Letters*, 17(4), 252-256.
- Deng, L., Li, H., Liu, H., & Gu, J. (2022). A lightweight YOLOv3 algorithm used for safety helmet detection. *Scientific reports*, 12(1), 10981.
- Dewantoro, R. W., Arfan, S. Y. N., & Rizal, R. A. (2022). Analysis Of Right And Wrong Use Of Mask Based On Deep Learning. *JOURNAL OF INFORMATICS AND TELECOMMUNICATION ENGINEERING*, 6(1), 336-343.
- Dogliotti, A. I., Ruddick, K. G., Nechad, B., Doxaran, D., & Knaeps, E. (2015). A single algorithm to retrieve turbidity from remotely-sensed data in all coastal and estuarine waters. *Remote sensing of environment*, 156, 157-168.
- Du, J. (2018, April). Understanding of object detection based on CNN family and YOLO. In *Journal of Physics: Conference Series* (Vol. 1004, p. 012029). IOP Publishing.
- Dwiyanto, R., Widodo, D. W., & Kasih, P. (2022, November). Implementasi Metode You Only Look Once (YOLOv5) Untuk Klasifikasi Kendaraan Pada CCTV Kabupaten Tulungagung. In *Prosiding SEMNAS INOTEK (Seminar Nasional Inovasi Teknologi)* (Vol. 6, No. 3, pp. 102-104).

- Dwiyatno, S., Sulistiyono, S., & Nugraheni, M. (2019). Layanan Komunikasi Voip Menggunakan Raspberry Pi Dan Raspbx Pada Smk Al-Insan Terpadu. *Prosisko: Jurnal Pengembangan Riset Dan Observasi Sistem Komputer*, 6(2).
- Enda, D., Sastra, M., Lizar, Z., & Rahman, B. (2019). Penggunaan Plastik Tipe Pet Sebagai Pengganti Semen Pada Pembuatan Paving Block. *Jurnal Inovtek Polbeng*, 9(2), 214-218.
- Gholizadeh, M. H., Melesse, A. M., & Reddi, L. (2016). A Comprehensive Review on Water Quality Parameters Estimation Using Remote Sensing Techniques. *sensors*, 16, 1-43. doi:10.3390/s16081298.
- Gorshkov, B. G., Taranov, M. A., & Alekseev, A. E. (2017). Distributed stress and temperature sensing based on Rayleigh scattering of low-coherence light. *Laser Physics*, 27(8), 085105.
- Hegde, R., Patel, S., Naik, R. G., Nayak, S. N., Shivaprakasha, K. S., & Bhandarkar, R. (2021). Underwater marine life and plastic waste detection using deep learning and raspberry pi. In *Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems: Select Proceedings of VSPICE 2020*
- Himawan, S. N., Sohiburroyan, R., & Nugraha, N. B. (2022). Deteksi Kantuk Pengemudi Menggunakan Deep Learning. In *Seminar Nasional Industri dan Teknologi* (pp. 1-8).
- Hu, Z., & Xu, C. (2022). Detection of Underwater Plastic Waste Based on Improved YOLOv5n. In *2022 4th International Conference on Frontiers Technology of Information and Computer (ICFTIC)* (pp. 404-408). IEEE.
- Jonathan, M., Hafidz, M. T., Apriyanti, N. A., Husaini, Z., & Rosyani, P. (2023). MENDETEKSI PLAT NOMOR KENDARAAN DENGAN METODE YOLO (You Only Look Once) DAN SINGLE SHOT DETECTOR (SSD). *AI dan SPK: Jurnal Artificial Intelligent dan Sistem Penunjang Keputusan*, 1(1), 105-111.
- Kholik, A., Harjoko, A., & Wahyono, W. (2020). Classification of traffic vehicle density using deep learning. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, 14(1), 69-80.

- Liu, K., Tang, H., He, S., Yu, Q., Xiong, Y., & Wang, N. (2021, January). Performance validation of YOLO variants for object detection. In Proceedings of the 2021 International Conference on bioinformatics and intelligent computing (pp. 239-243).
- Liu, Q., Lu, S., & Lan, L. (2021). YOLOv3 Attention Face Detector with High Accuracy and Efficiency. *Computer Systems Science & Engineering*, 37(2).
- Lu, H., Li, Y., Zhang, L., & Serikawa, S. (2015). Contrast enhancement for images in turbid water. *JOSA A*, 32(5), 886-893.
- Mathangi, M. (2023). Detection of Underwater Trash Objects using Deep Learning Algorithms.
- Malik, Q. H. (2018). Performance of alum and assorted coagulants in turbidity removal of muddy water. *Applied water science*, 8(1), 40.
- Milenković, A. M., Marković, I. M., Janković, D. S., & Rajković, P. J. (2013, October). Using of Raspberry Pi for data acquisition from biochemical analyzers. In 2013 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS) (Vol. 2, pp. 389-392). IEEE.
- Moniruzzaman, M., Islam, S. M. S., Bennamoun, M., & Lavery, P. (2017). Deep learning on underwater marine object detection: A survey. In *Advanced Concepts for Intelligent Vision Systems: 18th International Conference* (pp. 150-160). Springer International Publishing.
- Oubei, H. M., Shen, C., Kammoun, A., Zedini, E., Park, K. H., Sun, X., ... & Ooi, B. S. (2018). Light based underwater wireless communications. *Japanese Journal of applied physics*, 57(8S2), 08PA06.
- Permata, E. (2016). Identifikasi Obyek Benda Tajam Menggunakan Pengolahan Citra Digital Pada Citra X-Ray. *VOLT: Jurnal Ilmiah Pendidikan Teknik Elektro*, 1(1).
- Prathaban, T., Thean, W., & Sazali, M. I. S. M. (2019, November). A vision-based home security system using OpenCV on Raspberry Pi 3. In *AIP Conference Proceedings* (Vol. 2173, No. 1). AIP Publishing.

- Puadi, O., & Hambali, H. (2022). Perancangan Alat Pemilah Sampah Otomatis. *JTEIN: Jurnal Teknik Elektro Indonesia*, 3(1), 1-14.
- Rashkovskiy, S. A. (2016). Quantum mechanics without quanta: the nature of the wave-particle duality of light. *Quantum Studies: Mathematics and Foundations*, 3, 147-160.
- Rubinsztein-Dunlop, H., Forbes, A., Berry, M. V., Dennis, M. R., Andrews, D. L., Mansuripur, M., ... & Weiner, A. M. (2016). Roadmap on structured light. *Journal of Optics*, 19(1), 013001.
- Sio, G. A., Guantero, D., & Villaverde, J. (2022). Plastic Waste Detection on Rivers Using YOLOv5 Algorithm. In 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT) (pp. 1-6). IEEE.
- Siregar, R. (2022). DESAIN MEKANIK SISTEM PEMILAH SAMPAH PLASTIK OTOMATIS DI TEMPAT PEMBUANGAN AKHIR SAMPAH (TPA). *Machine: Jurnal Teknik Mesin*, 8(1), 1-7.
- Stevenson, M., & Bravo, C. (2019). Advanced turbidity prediction for operational water supply planning. *Decision Support Systems*, 119, 72-84.
- Sugandi, A. N., & Hartono, B. (2022, August). Implementasi Pengolahan Citra pada Quadcopter untuk Deteksi Manusia Menggunakan Algoritma YOLO. In *Prosiding Industrial Research Workshop and National Seminar* (Vol. 13, No. 01, pp. 183-188).
- Sun, K., Cui, W., & Chen, C. (2021). Review of underwater sensing technologies and applications. *Sensors*, 21(23), 7849.
- Szatten, D., Habel, M., Babiński, Z., & Obodovskyi, O. (2019). The impact of bridges on the process of water turbidity on the example of large lowland rivers. *Journal of Ecological Engineering*, 20(10).
- Tama, H. M. B., Helmy, H., & Mulyono, R. A. (2023). Rancang Bangun Alat Pemilah Sampah Plastik Berbasis Sensorik RGB (Red, Green, Blue) sebagai Langkah Modernisasi Teknologi pada Proses Pemilahan Sampah Plastik. *Blantika: Multidisciplinary Journal*, 1(4), 241-249.

- Wang, Y., & Zhang, X. (2018). Autonomous garbage detection for intelligent urban management. In *MATEC Web of Conferences* (Vol. 232, p. 01056). EDP Sciences.
- Wang, Hui, Fan Zhang, and Li Wang. "Fruit classification model based on improved Darknet53 convolutional neural network." In *2020 International Conference on Intelligent Transportation, Big Data & Smart City (ICITBS)*, pp. 881-884. IEEE, 2020.
- Watanabe, J. I., Shao, Y., & Miura, N. (2019). Underwater and airborne monitoring of marine ecosystems and debris. *Journal of Applied Remote Sensing*, 13(4), 044509.
- Widiyanti, A., & Hadi, T. (2022). POTENSI PEMANFAATAN SAMPAH DALAM MEWUJUDKAN PENGELOLAAN SAMPAH TERPADU DI UNIVERSITAS NAHDLATUL ULAMA NUSA TENGGARA BARAT. *ENVIROTEK: Jurnal Ilmiah Teknik Lingkungan*, 14(1), 12-18.
- Wu, Y. C., Shih, P. Y., Chen, L. P., Wang, C. C., & Samani, H. (2020, November). Towards underwater sustainability using ROV equipped with deep learning system. In *2020 International Automatic Control Conference (CACCS)* (pp. 1-5). IEEE.
- Yeh, C. H., Lin, C. H., Kang, L. W., Huang, C. H., Lin, M. H., Chang, C. Y., & Wang, C. C. (2021). Lightweight deep neural network for joint learning of underwater object detection and color conversion. *IEEE Transactions on Neural Networks and Learning Systems*, 33(11), 6129-6143.
- Yudi, E. D. (2023). Literature Review: Implementasi Sistem Monitoring Robot Bawah Air (Underwater Robot) berbasis IoT menggunakan metode Fuzzy Logic. *Jurnal Ilmu Data dan Kecerdasan Buatan*, 1(1), 5-8.
- Zelviani, S. (2018). Pengaruh ketebalan bahan penghalang terhadap intensitas radiasi relatif. *Teknosains: Media Informasi Sains dan Teknologi*, 12(2)
- Zhang, L., Wei, Y., Wang, H., Shao, Y., & Shen, J. (2021). Real-time detection of river surface floating object based on improved refinedet. *IEEE Access*, 9, 81147-8