

DAFTAR PUSTAKA

- Abizar dan Rahmah, S. W. 2020. Alga Hijau (chlorophyceae) yang Ditemukan di Sungai Sumatera Barat. *Jurnal Biologi dan Pendidikan Biologi Bioconchetta*. **6**(1): 21–26.
- Adhinugroho, I., Suminto, dan Susilowati, T. 2017. Pengaruh Pemberian Kombinasi Sel Fitoplankton (*Tetraselmis chuii*) dan Fermentasi Bahan Organik (Ampas Tahu, Bekatul dan Tepung Ikan) Pertumbuhan dan Reproduksi *Diaphanosoma brachyurum*. *Journal of Aquaculture Management and Technology*. **6**: 123–132.
- Anjali Dompeipen, T., Sompie, S. R. U. ., dan Najoan, M. E. . 2021. Computer Vision Implementation for Detection and Counting the Number of Humans. *Jurnal Teknik Informatika vol. 16 no. 1*. **16**(1): 65–76.
- Arnett, H. A., Saros, J. E., dan Mast, M. A. 2012. A caveat regarding diatom-inferred nitrogen concentrations in oligotrophic lakes. *Journal of Paleolimnology*. **47**(2): 277–291.
- Arora, M., Anil, A. C., Leliaert, F., Delany, J., dan Mesbahi, E. 2013. *Tetraselmis indica* (Chlorodendrophyceae, Chlorophyta), a new species isolated from salt pans in Goa, India. *European Journal of Phycology*. **48**(1): 61–78.
- Aziz, F. 2021. Deteksi Objek Menggunakan Metode You Only Look Once (YOLO) untuk Identifikasi Penyakit Padi. *Universitas Nusa Mandiri*.
- Bock, C., Luo, W., Kusber, W. H., Hegewald, E., Pažoutová, M., dan Krienitz, L. 2013. Classification of Crucigenoid Algae: Phylogenetic Position of the Reinstated Genus *Lemmermannia*, *Tetrastrum* spp. *Crucigenia tetrapedia*, and *C. lauterbornii* (Trebouxiophyceae, Chlorophyta)1. *Journal of Phycology*. **49**(2): 329–339.
- Chakraborty, S., Tiwari, P. K., Misra, A. K., dan Chattopadhyay, J. 2015. Spatial dynamics of a nutrient-phytoplankton system with toxic effect on phytoplankton. *Mathematical Biosciences*. **264**(1): 94–100.
- Das, S. dan Nene, M. J. 2017. A survey on types of machine learning techniques in intrusion prevention systems. *Proceedings of the 2017 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2017*. **2018-Janua**: 2296–2299.
- Dash, S., Patnaik, L., Sarangi, R. K., dan Raut, D. 2016. Diversity of *Ceratium* along Astaranga coastal water , Bay of Bengal , Odisha Diversity of *Ceratium* along Astaranga coastal water , Bay of Bengal , Odisha. (December). Advance Access published 2016.
- Du, F. C., Li, Y. H., dan Xu, K. D. 2023. Morphology and molecular phylogeny of *Pleurosigma pacificum* sp. nov. (Pleurosigmales, Pleurosigmales), a new tropical pelagic species from the Western Pacific Ocean. *PhytoKeys*. **227**: 99–108.

- Duangjan, K., Nakkhunthod, W., dan Pumas, C. 2019. Photoautotrophic Production of Hydrogen in *Carteria Crucifera* AARL G045 Co-Cultured with Bacterial Flora. *Botanica*. **25**(2): 145–155.
- Escalera, L., Pazos, Y., Moroño, Á., dan Reguera, B. 2007. *Noctiluca scintillans* may act as a vector of toxigenic microalgae. *Harmful Algae*. **6**(3): 317–320.
- Everingham, M., Van Gool, L., Williams, C. K. I., Winn, J., dan Zisserman, A. 2010. The pascal visual object classes (VOC) challenge. *International Journal of Computer Vision*. **88**(2): 303–338.
- Grekov, A. ., Shishkin, Y. ., Peliushenko, S. ., dan Mavrin, A. . 2022. Application Of The Yolov5 Model For The Detection Of Micro- Objects In The Marine Environment. *UDK 681.3*. Advance Access published 2022: doi:10.33075/2220-5861-2024-4-.
- Guiry, M. D. dan Guiry, G. M. 2004a. Diakses tanggal 7 Agustus 2024, dari *Algaebase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2004b. Diakses tanggal 7 Agustus 2024, dari *Algaebase* World-wide electronic publication, National University of Ireland, Galway.: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2012. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2015a. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2015b. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. . dan Guiry, G. . 2016. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2017a., dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2017b., dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway.
- Guiry, M. D. dan Guiry, G. M. 2017c. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2021., dari *AlgaeBase* World-wide electronic publication,

National University of Ireland, Galway..

- Guiry, M. D. dan Guiry, G. M. 2022. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2023a. Diakses tanggal 7 Agustus 2024, dari *Algaebase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2023b. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Guiry, M. D. dan Guiry, G. M. 2023c. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: Chaetoceros Ehrenberg, 1844.
- Guiry, M. D. dan Guiry, G. M. 2024. Diakses tanggal 15 Mei 2024, dari *AlgaeBase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Gurning, L. F. P., Nuraini, R. A. T., dan Suryono, S. 2020. Kelimpahan Fitoplankton Penyebab Harmful Algal Bloom di Perairan Desa Bedono, Demak. *Journal of Marine Research*. **9**(3): 251-260.
- Hao, X., Zhang, G., dan Ma, S. 2016. Deep Learning. *International Journal of Semantic Computing*. **10**(3): 417-439.
- Harmoko, H. dan Krisnawati, Y. 2018. Mikroalga Divisi Bacillariophyta yang Ditemukan di Danau Aur Kabupaten Musi Rawas. *Jurnal Biologi Unand*. **6**(1): 30.
- Joh, G. 2021. Distribution of the genus *Cocconeis* (Bacillariophyceae) along the Seogwipo coast of Jeju Island, South Korea. *Phytotaxa*. **528**(3): 149-179.
- Jüttner, I., Carter, C., Cox, E. J., Ector, L., Jones, V., Kelly, M. G., Kennedy, B., Mann, D. G., Turner, J. A., Vijver, V. de, Wetzel, C. E., dan D.M., W. 2024., dari *Freshwater Diatom Flora of Britain and Ireland* Amgueddfa Cymru - National Museum Wales..
- Kamaludin, A. M. R. dan Holik, H. A. 2022. Artikel Ulasan: Kandungan Senyawa Kimia dan Aktivitas Farmakologi *Spirulina* sp. *Indonesian Journal of Biological Pharmacy*. **2**(2): 59.
- Kanjer, L., Mucko, M., Car, A., dan Bosak, S. 2019. Epiphytic diatoms on *Posidonia oceanica* (L.) Delile leaves from eastern Adriatic Sea. *Natura Croatica*. **28**(1): 1-20.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2021a. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Pinnularia C.G. Ehrenberg, 1843: <http://www.diatombase.org/aphia.php?p=taxdetails&id=149208>.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et

- al. 2021b. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Tabellaria C.G. Ehrenberg ex F.T. Kützing, 1844: <http://www.diatombase.org/aphia.php?p=taxdetails&id=149333>.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2024a. Diakses tanggal 7 Agustus 2024, dari *Diatombase*: <https://diatombase.org/aphia.php?p=taxdetails&id=149073>.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2024b. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Asterionella A.H. Hassall, 1850: <https://diatombase.org/aphia.php?p=taxdetails&id=148953>.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2024c. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Navicula J.B.M. Bory de Saint-Vincent, 1822: <https://www.diatombase.org/aphia.php?p=taxdetails&id=149142>.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2024d. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Nitzschia A.H. Hassall, 1845: <https://diatombase.org/aphia.php?p=taxdetails&id=149045> on 2024-06-03.
- Kociolek, J. P., Blanco, S., Coste, M., Ector, L., Liu, Y., Karthick, B., Kulikovskiy, M., Lundholm, N., Ludwig, T., Potapova, M., Rimet, F., Sabbe, K., Sala, S., Sar, E., et al. 2024e. Diakses tanggal 3 Juni 2024, dari *DiatomBase* Pleurosigma W. Smith, 1852: <https://diatombase.org/aphia.php?p=taxdetails&id=149181>.
- Kristian, R., Raharjo, S., dan Sulastrianah. 2015. Uji Aktivitas Antioksidan Mikroalga Air Tawar. *Medula*. **3**(1): 201–207.
- Laxa, R. A. T. 2021. Construction of Dichotomous Taxonomic Keys for San Francisco Bay Planktonic Diatoms. Advance Access published 2021.
- Lee, S. D., Park, J. S., Yun, S. M., dan Lee, J. H. 2014. Critical criteria for identification of the genus *Chaetoceros* (Bacillariophyta) based on setae ultrastructure. I. Subgenus *Chaetoceros*. *Phycologia*. **53**(2): 174–187.
- Lemieux, C., Otis, C., dan Turmel, M. 2014. Chloroplast phylogenomic analysis resolves deep-level relationships within the green algal class Trebouxiophyceae. *BMC Evolutionary Biology*. **14**(1): 1–15.
- Li, Y., Guo, Y. Q., dan Guo, X. H. 2018. Morphology and molecular phylogeny of *Thalassiosira sinica* sp. nov. (Bacillariophyta) with delicate areolae and fulcra pattern. *European Journal of Phycology*. **53**(2): 122–134.
- Li, Y., Guo, J., Guo, X., Hu, Z., dan Tian, Y. 2021. Plankton detection with adversarial learning and a densely connected deep learning model for class imbalanced

- distribution. *Journal of Marine Science and Engineering*. **9**(6).
- Luka, S. 2024. Diakses tanggal 7 Agustus 2024, dari *Algaebase* World-wide electronic publication, National University of Ireland, Galway: <https://www.algaebase.org>.
- Masithah, E. D. 2021. *Cyanophyceae*. Airlangga University Press. (112).
- Middleton, J., Bursch, C., Maurer, J., dan Masui, R. 2021. Marine Phytoplankton of South Central Alaska. *Alasca Center for Conceroation Science. University of Alaska, Anchorage*. Advance Access published 2021.
- Nafis Alfarizi, D., Agung Pangestu, R., Aditya, D., Adi Setiawan, M., dan Rosyani, P. 2023. Penggunaan Metode YOLO Pada Deteksi Objek: Sebuah Tinjauan Literatur Sistematis. *Jurnal Artificial Inteligent dan Sistem Penunjang Keputusan*. **1**(1): 54–63.
- Nardelli, M. S., Bueno, N. C., Ludwig, T. A. V., Tremarin, P. I., dan Bartozek, E. C. R. 2014. Coscinodiscophyceae and Fragilariophyceae (Diatomeae) in the Iguacu River, Paraná, Brazil. *Acta Botanica Brasilica*. **28**(1): 127–140.
- Ng, P. H., Huang, Q., Huang, L., Cheng, T. H., Man, K. Y., Cheng, K. P., Rita, P. M. A., Zhang, J., dan St-Hilaire, S. 2023. Assessment of Ozone Nanobubble Technology to Reduce Freshwater Algae. *Aquaculture Research*. **2023**.
- Ollevier, A., Mortelmans, J., Aubert, A., Deneudt, K., dan Vandegheuchte, M. B. 2021. Noctiluca scintillans: Dynamics, Size Measurements and Relationships With Small Soft-Bodied Plankton in the Belgian Part of the North Sea. *Frontiers in Marine Science*. **8**(December): 1–14.
- Park, J. S., Lee, S. D., dan Lee, J. H. 2013. Taxonomic study on the euryhaline Cyclotella (Bacillariophyta) species in Korea. *Journal of Ecology and Environment*. **36**(4): 407–419.
- Powers, D. M. W. 2020. Evaluation: from precision, recall and F-measure to ROC, informedness, markedness and correlation. 37–63.
- Prasad, R. N., Sanghamitra, K., Antonia, G.-M., Juan, G.-V., Benjamin, R.-G., Luis, I.-M. J., dan Guillermo, V.-V. 2013. Isolation, Identification and Germplasm Preservation of Different Native & Spirulina Species from Western Mexico. *American Journal of Plant Sciences*. **04**(12): 65–71.
- Rahman, A., Haeruddin, H., Ghofar, A., dan Purwanti, F. 2022. Kondisi Kualitas Air Dan Struktur Komunitas Diatom (Bacillariophyceae) Di Sungai Babon. *Saintek Perikanan : Indonesian Journal of Fisheries Science and Technology*. **18**(2): 125–129.
- Raho, N., Pizarro, G., Escalera, L., Reguera, B., dan Marín, I. 2008. Morphology, toxin composition and molecular analysis of Dinophysis ovum Schütt, a dinoflagellate of the “Dinophysis acuminata complex.” *Harmful Algae*. **7**(6): 839–848.
- Redmon, J., Divvala, S., Girshick, R., dan Farhadi, A. 2016. You only look once: Unified, real-time object detection. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. **2016-Decem**: 779–788.

- Redmon, J. dan Farhadi, A. 2018. YOLOv3: An Incremental Improvement. Advance Access published 2018.
- Ren, S., He, K., Girshick, R., dan Sun, J. 2017. Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. **39**(6): 1137–1149.
- Rere, L. M. R., Fanany, M. I., dan Arymurthy, A. M. 2015. Simulated Annealing Algorithm for Deep Learning. *Procedia Computer Science*. **72**: 137–144.
- Rjlittlefield, Chris, R., Chris, S., dan Pau. 2014. Diakses tanggal 4 Juni 2024, dari *Photomacrography.net*:
<https://www.photomacrography.net/forum/viewtopic.php?t=25186>.
- Roihan, A., Sunarya, P. A., dan Rafika, A. S. 2020. Pemanfaatan Machine Learning dalam Berbagai Bidang: Review paper. *IJCIT (Indonesian Journal on Computer and Information Technology)*. **5**(1): 75–82.
- Romzi, M. dan Kurniawan, B. 2020. Implementasi Pemrograman Python Menggunakan Visual Studio Code. *Jurnal Informatika Dan Komputer (JIK)*. **11**(2): 1–9.
- Roziaty, E. dan Fatimah, N. 2018. Identifikasi Mikroalga Epilitik di Kawasan Pantai Sepanjang Gunung Kidul Jogjakarta. *Seminar Nasional Sains dan Teknologi Terapan*. 58–65.
- Salamah, I., Said, M. R. A., dan Soim, S. 2022. Perancangan Alat Identifikasi Wajah Dengan Algoritma You Only Look Once (YOLO) Untuk Presensi Mahasiswa. *Jurnal Media Informatika Budidarma*. **6**(3): 1492.
- Sari, A. N., Hutabarat, S., dan Soedarsono, P. 2014. Struktur Komunitas Plankton Pada Padang Lamun Di Pantai Pulau Panjang, Jepara. *Diponegoro Journal of Maquares*. **3**(2): 82–91.
- Sarno, D., Kooistra, W. H. C. F., Balzano, S., Hargraves, P. E., dan Zingone, A. 2007. Diversity in the genus *Skeletonema* (bacillariophyceae): III. Phylogenetic position and morphological variability of *Skeletonema costatum* and *Skeletonema grevillei*, with the description of *Skeletonema ardens* sp. nov. *Journal of Phycology*. **43**(1): 156–170.
- Shetye, S. R. 2004. *Phytoplankton Identification Manual*.
- Shevchenko, O. G., Orlova, T. Y., dan Hernández-Becerril, D. U. 2006. The genus *Chaetoceros* (Bacillariophyta) from Peter the Great Bay, Sea of Japan. *Botanica Marina*. **49**(3): 236–258.
- Shi, Z., Wang, K., Cao, L., Ren, Y., Han, Y., dan Ma, S. 2019. Study on Holographic Image Recognition Technology of Zooplankton. *DEStech Transactions on Computer Science and Engineering*. (cisnrc). Advance Access published 2019: doi:10.12783/dtcse/cisnrc2019/33361.
- Simonyan, K. dan Zisserman, A. 2015. Very deep convolutional networks for large-

- scale image recognition. *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*. 1-14.
- Siqueiros -Beltrones, D. A. dan Argumedo -Hernández, U. 2014. Particular structure of an epiphytic diatom assemblage living on *Plocyamium cartilagineum* (Lamoroux) Dixon (Rhodophyceae: Gigartinales). *CICIMAR Océánides*. **29**(2): 11-24.
- Spaulding. 2021., dari *Diatom Research* Diatoms of North America The source for diatom identification and ecology.
- Subhajit, B., Deepti D., D., SG Prabhu, M., dan Irene, F. 2013. Culturable bacterial flora associated with the dinoflagellate green *Noctiluca miliaris* during active and declining bloom phases in the Northern Arabian Sea Subhajit. *Microb. Ecol.* **65**(5): 934-954.
- Syaifuddin, A. T., Umasiya'tiyan, dan Melisa, A. O. 2020. Identifikasi Mikroalga Pada Air Sumur di Daerah Kecamatan Kota Kabupaten Kudus. *ALVEOLI: Jurnal Pendidikan Biologi*. **1**(2): 63-80.
- Telnoni, P. A. 2021. Pelabelan Data Dengan Latent Dirichlet Allocation dan K-Means Clustering pada Data Twitter Menggunakan Bahasa Indonesia. *Jurnal Elektro dan Telekomunikasi Terapan*. **7**(2): 885.
- Thupae, R., Isong, B., Gasela, N., dan Abu-Mahfouz, A. M. 2018. Machine Learning Techniques for traffic Identification and Classification in SDWSN: a survey. *IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society*. 4645-4650.
- Usoltseva, M., Khursevish, G., Rasskazov, S., Vorob'eva, S., dan Chernyaeva, G. 2010. Morphology of actinocyclus and Lobodiscus species (Bacillariophyta) from the miocene deposits of the Vitim Plateau, Russia. *Plant Ecology and Evolution*. **143**(3): 352-364.
- Wang, Y., Chen, Y., Wang, J., Liu, F., dan Chen, N. 2021. Mitochondrial genome of the harmful algal bloom species *Odontella regia* (Mediophyceae, Bacillariophyta). *Journal of Applied Phycology*. **33**(2): 855-868.
- Weliyadi, E. 2013. Identifikasi Spesies Fitoplankton Penyebab Harmful Algal Bloom (HAB) di Perairan Tarakan. *Jurnal Harpodon Borneo*. **6**(1): 27-35.
- Widiana, R. 2013. Komposisi Fitoplankton Yang Terdapat Di Perairan Batang Palangki Kabupaten Sijunjung. *Jurnal Pelangi*. **5**(1).
- Witkowski, A., Lange-Bertalot, H., dan Metzeltin, D. 2000. Diakses tanggal 4 Juni 2024, dari *Diatom Flora of Marine Coasts I Iconographia Diatomologica* Diatoms: https://diatoms.org/citations/witkowski_a_lange-bertalot_h_and_metzeltin_d-2000-diatom_flora_of_marine_co.
- Zakharova, Y. R., Adel'shin, R. V., Parfenova, V. V., Bedoshvili, Y. D., dan Likhoshway, Y. V. 2010. Taxonomic characterization of the microorganisms associated with the cultivable diatom *Synedra acus* from Lake Baikal.

Microbiology. **79**(5): 679–687.

Zhang, H., Cisse, M., Dauphin, Y. N., dan Lopez-Paz, D. 2018. MixUp: Beyond empirical risk minimization. *6th International Conference on Learning Representations, ICLR 2018 - Conference Track Proceedings*. 1–13.

