

DAFTAR PUSTAKA

- Aminus, R., dan Sarinah, R. 2022. Analisis *Break Even Point* Sebagai Alat Perencanaan Laba pada PT. Golden Oilindo Nusantara Palembang. *Jurnal Manajemen*. 10(3), 354-374. [10.36546/jm.v10i3.695](#)
- Anrose, Z. A. G., dan Junianto. 2024. Pemanfaatan bahan anestesi alami pada transportasi sistem tertutup benih ikan: Ulasan artikel. *Journal of Aquatic Resources and Fisheries Management*. 5(2), 77-88.
- Assefa, A., dan Abunna, F. 2018. Maintenance of Fish Health in Aquaculture: Review of Epidemiological Approaches for Prevention and Control of Infectious Disease of Fish. *BioMed Research International*. 2018(5432497), 1-10. [10.1155/2018/5432497](#)
- Auliah, R., Abdullah, A., dan Haruna, B. 2025. Analisis Finansial Usaha Budidaya Udang Vanamei (*Litopenaeus Vannamei*) Sistem Intensif di PT. Sumber Agro Sulawesi (SAS). *Zoologi: Jurnal Ilmu Peternakan, Ilmu Perikanan, Ilmu Kedokteran Hewan*. 3(2), 35-42. [10.62951/zoologi.v3i2.197](#)
- Badan Standardisasi Nasional. 2023. SNI 9184:2023 tentang Pelayanan kesehatan hewan - Rumah sakit hewan, klinik hewan, dan praktik dokter hewan mandiri. National Standardization Agency of Indonesia. Jakarta.
- Bronstad, A. 2022. Good Anesthesia Practice for Fish and Other Aquatics. *Biology*. 11(9), 1-10. [10.3390/biology11091355](#)
- Chatigny, F., Creighton, C. M., dan Stevens, E. D. 2018. Updated review of fish analgesia. *Journal of the American Association for Laboratory Animal Science*. 57(1), 5-12. [10.30802/AALAS-JAALAS-17-000063](#)
- Duman, M., Saticioğlu, I. B., dan Janda, J. M. 2024. A review of the industrial importance, common bacterial diseases, and zoonotic risks of freshwater aquarium fish. *Vector-Borne and Zoonotic Diseases*. 24(2), 69-85. [10.1089/vbz.2023.0094](#)
- El-Rahman, Z. A., Salman, N. A., dan Amer, M. S. 2024. Anaesthetic efficacy of *eugenol* and 1,8-cineole in guppy fish. *Egyptian Journal of Aquatic Biology and Fisheries*. 28(2), 215-228.
- Fadly, W. A. 2018. Kajian komoditas Ikan Hias Yang Diperdagangkan Di Pasar Ikan Hias Tagallega Kota Bandung, Jawa barat. Skripsi. UIN Sunan Gunung Djati Bandung.
- Ferraro, E., Harrison, S. H., Duke, E., Troan, B., Boddy, A., Abegglen, L. M., dan Harrison, T. M. 2024. Retrospective study of the prevalence, histopathology, therapy, and survival time of neoplastic disease in fish. *Animals*. 14(3), 464. [10.3390/ani14030464](#)
- Gilbert, W., Adamson, D., Donachie, D., Hamilton, K., dan Rushton, J. 2023. A Cost-Benefit Analysis of Preparing National Veterinary Services for Transboundary Animal Disease Emergencies. *Transboundary and Emerging Diseases*. 2023(1765243), 1-14. [10.1155/2023/1765243](#)
- Grosset, C. V., Nadeau, M. E., dan Groff, J. M. 2017. Fish Oncology: Diseases, Diagnostics, and Therapeutics. *Vet Clinic Exotic Animal*. 20(2017), 21-56. [10.1016/j.cvex.2016.07.002](#)
- Handayani, M. W., dan Abbas, Y. E. 2023. Analisis Perencanaan Produksi Dengan Metode Titik Impas (*Break Even Point*). *Jurnal Akuntansi dan Keuangan Kontemporer*. 6(1), 267-274. [10.30596/jakk.v6i2.15875](#)
- Hoseinifar, S. H., Maradonna, F., Faheem, M., Harikrishnan, R., Devi, G., Ringø, E., Doan, H. V., Ashouri, G., Gioacchini, G., dan Carnevali, O. 2023. Sustainable

- ornamental fish aquaculture: The implication of microbial feed additives. *Animals*. 13(1583), 1-26. [10.3390/ani13101583](https://doi.org/10.3390/ani13101583)
- Larcombe, E., Alexander, M. E., Snellgrove, D., Henriquez, F. L., dan Sloman, K. A. 2024. Current disease treatments for the ornamental pet fish trade and their associated problems. *Reviews in Aquaculture*. 17(12948), 1-28. [10.1111/raq.12948](https://doi.org/10.1111/raq.12948)
- Linayati, Mardiana, T. Y., Syakirin, M. B., dan Soeprapto, H. 2021. Identifikasi Endoparasit pada Ikan Cupang (*Betta Splendens R*) di Kota Pekalongan. Pena Akuatika: *Jurnal Ilmiah Perikanan dan Kelautan*. 20(2), 1-10.
- Maharani, D. D., Helminuddin, H., dan Syafril, M. 2023. Analisis Usaha Pemasaran Ikan Hias Toko Bintang Baru Aquarium Kota Samarinda. *Jurnal Pembangunan Perikanan dan Agribisnis*. 10(2), 61-67. [10.30872/jppa.v10i2.224](https://doi.org/10.30872/jppa.v10i2.224)
- Martins, T., Valentim, A., Pereira, N., dan Antunes, L. M. 2019. Anaesthetics and analgesics used in adult fish for research: A review. *Laboratory Animals*. 53(4), 325-341. [10.1177/0023677218815199](https://doi.org/10.1177/0023677218815199)
- Meliko, M. O., Ngoh, S. B., dan Okolle, J. N. 2021. Cost-benefit analysis for small-scale aquaculture production systems: A case of South West Region of Cameroon, Africa. *International Journal of Fisheries and Aquaculture*. 13(2), 56-66. [10.5897/IJFA2021.0785](https://doi.org/10.5897/IJFA2021.0785)
- Midihatama, A., Subandiyono, dan Haditomo, A. H. C. 2018. Pengaruh *Eugenol* Terhadap Kadar Glukosa Darah dan Kelulushidupan Benih Ikan Gurami (*Osphronemus gouramy*, Lac.) Selama dan Setelah Periode Transportasi Sistem Tertutup. *Jurnal Sains Akuakultur Tropis*. 2(1), 12-17.
- Myrenås, E., Näslund, J., Persson, J., dan Sundin, J. 2023. Effects of the invasive swim bladder parasite *Anguillicola crassus* on health and condition indicators in the European eel. *Journal of Fish Diseases*. 46(10), 1029-1047. [10.1111/jfd.13822](https://doi.org/10.1111/jfd.13822)
- Neill, C. L., Salois, M., dan McKay, C. 2025. Anticipating the downturn: business cycle forecasting for veterinary practice strategy in the United States. *Frontiers in Veterinary Science*. 12(1689704), 1-10. [10.3389/fvets.2025.1689704](https://doi.org/10.3389/fvets.2025.1689704)
- Noor, H. F., dan Jati, C. W. 2023. Efektifitas Vaksin Inaktif *Aeromonas Salmonicida* terhadap Ikan Mas *Cyprinus Carpio*. *Jurnal Ilmiah Bahari Papadak*. 4(1), 32-37.
- Nugroho, R. A., dan Kurniawan, R. 2021. Physiological response of catfish to natural anesthetics. *Jurnal Perikanan*. 23(1), 44-53.
- Nurkholifah, S., Sutrisno, dan Fitriani, A. 2022. Effectiveness of *eugenol* anesthesia on freshwater fish. *Jurnal Veteriner*. 23(4): 598-606.
- Oliveira, C. P. B. D., Lemos, C. H. D. P., Silva, A. F. E., Souza, S. A. D., Aldinati, A. C. L., Lima, A. O., dan Copatti, C. E. 2018. Use of *eugenol* for the anaesthesia and transportation of freshwater angelfish (*Pterophyllum scalare*). *Aquaculture*. 513(2019), 1-6. [10.1016/j.aquaculture.2019.734409](https://doi.org/10.1016/j.aquaculture.2019.734409)
- Oskay, Y., Çetin, B., Şerifoğlu, N., Ergül, A. A., dan Adams, M. M. 2018. A novel, low-cost anesthesia and injection system for zebrafish researchers. *Zebrafish*. 15(2), 85-95. [10.1089/zeb.2017.1513](https://doi.org/10.1089/zeb.2017.1513)
- Pane, T. I. P., Syahrudin, S., Sianturi, E. M., dan Lubis, Z. E. 2023. Kondisi Fisiologis Ikan Kerapu Bebek (*Cromileptes altivelis*) akibat Perubahan Lingkungan. *Jurnal Biosaintek*. 5(2), 71-83. [10.14710/jmr.v13i1.41175](https://doi.org/10.14710/jmr.v13i1.41175)
- Pemerintah Kota Makassar. 2023. Potensi Kelautan dan Perikanan. URL: <https://makassarkota.go.id/potensi/potensi-kelautan-dan-perikanan/>.

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- Pujol, J., Lamglait, B., Vanore, M., Rousseau, C., dan Grosset, C. V. 2023. A post-operative follow-up of an endangered saltwater fish: lensectomy for cataract management in a public aquarium: a case series. *Veterinary Sciences*. 10(611), 1-11. [10.3390/vetsci10100611](https://doi.org/10.3390/vetsci10100611)
- Putri, R. R., Mulyana., Muarif., dan Fahrudin, H. 2021. Pemecahan Masalah Penyakit pada Ikan Hias Discus (*Symphysodon discus*) Melalui Kegiatan Penyuluhan. *Jurnal Qardhul Hasan: Media Pengabdian Kepada Masyarakat*. 7(3), 153-156.
- Putri, F. A., Lestari, A.Y., Noviana, E., Devinda F. N., Harsono, R. L., Amrulloh, A. 2025. Analisis Break-Even Point (BEP) sebagai Dasar Perencanaan Laba pada Pabrik Tahu Purwosari. *Prosiding Seminar Nasional Fakultas Ekonomi dan Bisnis*. 2(1), 23-35.
- Reid, C. H., Patrick, P. H., Rytwinski, T., Taylor, J. J., Willmore, W. G., Reesor, B., dan Cooke, S. J. 2022. An updated review of cold shock and cold stress in fish. *Journal of Fish Biology*. 100(5), 1102-1137. [10.1111/jfb.15037](https://doi.org/10.1111/jfb.15037)
- Ridwan, S., Syah, T. Y. R., Kustiawan, U., dan Nofierni, N. 2025. Financial Planning and Investment Feasibility Analysis Based on Five-Year Projections Using ROI, NPV, IRR, and Financial Ratios. *Journal La Bisecoman*. 6(2), 489-506. [10.37899/journallabisecoman.v6i2.1970](https://doi.org/10.37899/journallabisecoman.v6i2.1970)
- Rorig, M. C. L., Garcez, J. L., Baumgartner, L. A., Matos, M. R., Wilmsen, M., Cardoso, S. U., Silveira, S. D., dan Bombardelli, R. A. 2023. Surgical removal of periocular neoformation in Peixe -Kinguu (*Carassius Auratus*) submitted to anesthesia with propofol in combination with morphine - case report *Acta Veterinaria Brasilica*. 75(3), 444-450. [10.1590/1678-4162-12676](https://doi.org/10.1590/1678-4162-12676)
- Sadewo, E., Siregar, F. H., Sukirna, I., Adisusanto, J., dan Fauzan, N. 2023. Pengaruh kualitas pelayanan terhadap kepuasan pelanggan pada klinik hewan di Indonesia. *Muhammadiyah Riau Accounting and Business Journal*. 2(2), 1-8. [10.37859/mrabj.v2i2.2331](https://doi.org/10.37859/mrabj.v2i2.2331)
- Sakyarsih, N., Gunawan, T., dan Istiharini, I. 2024. Pengaruh kualitas layanan terhadap loyalitas pelanggan pada klinik hewan di Indonesia: Studi literatur. *INOBIIS: Jurnal Inovasi Bisnis dan Manajemen Indonesia*. 7(3), 335-345. [10.31842/jurnalinobis.v7i3.323](https://doi.org/10.31842/jurnalinobis.v7i3.323)
- Schroeder, P., Lloyd, R., McKimm, R., Metselaar, M., Navarro, J., O'Farrell, M., Readman, G. D., Speilberg, L., dan Mocho, J.-P. 2021. Anaesthesia of laboratory, aquaculture and ornamental fish: Proceedings of the first LASA-FVS Symposium. *Laboratory Animals*. 55(4), 317-328. [10.1177/0023677221998403](https://doi.org/10.1177/0023677221998403)
- Sirri, R., Mandrioli, L., Zamparo, S., Errani, F., Volpe, E., Tura, G., Barbé, T., dan Ciulli, S. 2020. Swim bladder disorders in koi carp (*Cyprinus carpio*). *Animals*. 10(1974), 1-13. [10.3390/ani10111974](https://doi.org/10.3390/ani10111974)
- Sladky, K. K., dan Clarke, E. O. 2016. Fish surgery: Presurgical preparation and common surgical procedures. *Veterinary Clinics of North America: Exotic Animal Practice*. 19(1), 55-76. [10.1016/j.cvex.2015.08.008](https://doi.org/10.1016/j.cvex.2015.08.008)
- Smith, D. M., Lloyd, J. W., dan Harris, D. L. 2025. Optimizing veterinary practice economics: The impact of mid-level practitioners on revenue, profitability, and workforce efficiency. *Journal of Applied Business and Economics*. 27(5), 35-50.
- Soldado, A. N., Medina, R. M., López, A. M. M., Benítez, A. J. L., dan Salvago, R. M. 2024. Evaluation of the effectiveness of *eugenol* and MS-222 as anesthetics

- in zebrafish in repeated exposures and post-anesthesia behaviour. *Animals*. 14(2418), 1-12. [10.3390/ani14162418](#)
- Tassava, B. 2018. Considering New Equipment? Check Carefully Before Buying. *Veterinary Team Brief*. 12(3), 56-59.
- Waruwu, M. 2024. Metode Penelitian dan Pengembangan (R&D): Konsep, Jenis, Tahapan dan Kelebihan. *Jurnal Ilmiah Profesi Pendidikan*. 9(2), 1220-1230. [10.29303/jipp.v9i2.2141](#)
- Werner, T. M., Salois, M., McKay, C., dan Platt, M. 2025. Making the case for a resurgent U.S. independent veterinary practice segment: a SWOT analysis. *Frontiers in Veterinary Science*. 12(1558745), 1-7. [10.3389/fvets.2025.1558745](#)
- Wiranata, B., Fauzi, A. F. N., Satriani, R., dan Pramono, T. B. 2023. Strategi Pengembangan Usaha Budidaya Ikan Hias pada Usaha Budidaya Maresh Farm Id di Kecamatan Kejobong, Purbalingga, Jawa Tengah. *Proceedings Series on Physical and Formal Sciences*. 5(1), 1-11. [10.30595/pspfs.v5i.728](#)
- Wynd, B. M., Watson, C. J., Patil, K., Sanders, G. E., dan Kwon, R. Y. 2017. A dynamic anesthesia system for long-term imaging in adult zebrafish. *Zebrafish*. 14(1), 1-7. [10.1089/zeb.2016.1289](#)
- Ummung, A., Roswiyanti, R., Asgar, M. A., dan Massiseng, A. N. 2022. Analisis Pemasaran Ikan Hias Sebelum dan Saat Pandemi Covid-19 di Kelurahan Balang Baru, Kota Makassar. *Akuatikisile: Jurnal Akuakultur*. 6(1), 47-50. [10.29239/j.akuatikisile.6.1.47-50](#)
- Yanong, R. P. E., dan Lewbart, G. A. 2024. *The Aquarium Fish Medicine Handbook*. CRC Press: India.