

## DAFTAR PUSTAKA

- Abinawanto, A., Yimastria, S., & Pertiwi, P., 2023. Sperm Analysis of Lukas Fish (*Puntius bramoides*): Motility, Viability and Abnormalities. *AIP Conference Proceedings*. 020133, pp. 1–5.
- Agarwal, N. K., 2011. Cryopreservation of Fish Semen. *Himalayan Aquatic Biodiversity Conservation & New Tools in Biotechnology*. 1, pp. 104–127.
- Agustina, H., Sasanti, A. D., & Wijayanti, M., 2017. Penambahan Sari Buah Belimbing Wuluh (*Averrhoa bilimbi*) pada Pakan untuk Mengobati Ikan Lele Sangkuriang (*Clarias* sp.) yang Diinfeksi *Aeromonas hydrophila*. *Jurnal Akuakultur Rawa Indonesia*. 5(2), pp. 155–168.
- Al Gifari, H. A., Susatyo, P., Atang, A., & Sugiharto, S., 2023. Kualitas Spermatozoa dan Struktur Histologis Gonad Jantan Tiga Spesies Ikan Famili Cyprinidae di Sungai Banjarn. *BioEksakta: Jurnal Ilmiah Biologi Unsoed*. 5(1), pp. 53-63.
- Alavi, S. M. H., Ciereszko, A., Hatef, A., Krist'an, J., Dzyuba, B., Boryshpolets, S., Rodina, M., Cosson, J., & Linhart, O., 2015. Sperm Morphology, Physiology, Motility, and Cryopreservation in Percidae. *Biology and Culture of Percid Fishes: Principles and Practice*. 1(5), pp. 1–901.
- Alavi, S. M. H., Psenicka, M., Rodina, M., Policar, T., & Linhart, O., 2008. Changes of Sperm Morphology, Volume, Density, and Motility and Seminal Plasma Composition in *Barbus barbus* (Teleostei: Cyprinidae) during the Reproductive Season. *Aquatic Living Resources*. 21, pp. 75-80.
- Alavi, S. M. H., Rodina, M., Gela, D., & Linhart, O., 2012. Sperm Biology and Control of Reproduction in Sturgeon: (I) Testicular Development, Sperm Maturation and Seminal Plasma Characteristics. *Reviews in Fish Biology and Fisheries*. 22, pp. 695–717.
- Amal, M. N. A., Ismail, A., Shaqinah, N., Nasruddin, & Rahman, F., 2015. Notes on the Spawning Activity of the Tiny Scale Barb (*Thynnichthys thynnoides*, Bleeker 1852) in Relation to its Gonadal Development in Perak River, Malaysia. *Tropical Natural History*. 15(1), pp. 91–95.
- Arman, S., & İşısağ Üçüncü, S., 2020. Gonadal Histology of the Tiger Barb *Puntius tetrazona* (Cyprinidae). *Journal of Fisheries*. 8(2), pp. 817–822.
- Bertha, P. D., Junior, M. Z., & Soelistyowati, D. T., 2016. Spermatogenesis Ikan Lele *Clarias* sp. Jantan yang Diberi Pakan Mengandung Ekstrak Purwoceng. *Jurnal Akuakultur Indonesia*. 15(1), pp. 49–55.
- Bibi, S., Ejaz, R., Awan, M. A., Arshad, J., Rakha, B. A., Ansari, M. S., Urooj, S., Anjum, M. Z., & Akhter, S., 2021. Evaluation of Extenders for Refrigerated Preservation of *Labeo rohita* Milt. *Aquaculture Research*. 52(12), pp. 6708–6715.
- Boonthai, T., Khaopong, W., Sangsong, J., Sooksawat, T., Nimrat, S., & Vuthiphandchai, V., 2016. Semen Collection Methods Affect The Bacterial Composition of Post-Thawed Semen of Silver Barb (*Barbodes gonionotus*). *Animal Reproduction Science*. 166, pp. 90–98.

- Borhani, M., Soofiani, N. M., Ebrahimi, D. E., & Asadollah, S., 2017. First Report on Growth and Reproduction of *Turcinoemacheilus bahaii* (Esmaeili, Sayyadzadeh, Özulug, Geiger and Freyhof, 2014), in Zayandeh Roud River, Iran. *Austin Environmental Sciences*. 2(1), pp. 1–7.
- Bozkurt, Y., & Secer, S., 2005. Effect of Short-Term Preservation of Mirror Carp (*Cyprinus carpio*) Semen on Motility, Fertilization, and Hatching Rates. *The Israeli Journal of Aquaculture - Bamidgeh*. 53(3), pp. 207–212.
- Caldas, J. S., da Silva, A. L., de Sousa, L. M., de Sousa, E. B., Monteiro, I. L. P., de Barros, F. J. T., & Godoy, L., 2021. Effects of Hormonal Treatment on Induced Spermiation and Semen Quality in the Endangered Amazonian Fish *Hypancistrus zebra* (Siluriformes, Loricariidae). *Aquaculture*. 533(1), pp. 1–6.
- Cejko, B. I. & Krejszeff, S., 2016. Sperm Characteristics of Chub *Leuciscus cephalus* (L.) Collected in Artificial Condition after Ovopel and Ovaprim Treatment. *Aquaculture Research*. 47, pp. 847–856.
- Cejko, B. I., Sarosiek, B., Krejszeff, S., & Kowalski, R. K., 2018. Multiple Collections of Common Carp *Cyprinus carpio* L. Semen During the Reproductive Period and Its Effects on Sperm Quality. *Animal Reproduction Science*. 2(3), pp. 178–188.
- Cejko, B. I., Zarski, D., Krejszeff, S., Kucharczyk, D., & Kowalski, R. K., 2013. Effect of Hormonal Stimulation on Milt Volume, Number of Sperm, and Sperm Motility in The Crucian Carp, *Carassius carassius* (L.). *The Israeli Journal of Aquaculture - Bamidgeh*. 65(1), pp. 1-7.
- Chakrabarti, P. & Bose, S., 2014. Cyclical Rhythms in the Cytomorphology of Testis of Brackish Water Grey Mullet *Liza parsia* (Hamilton, 1822) Inhabiting South-Eastern Coast of India. *Journal of Entomology and Zoology Studies*. 2(1), pp. 110–118.
- Chapman, F. A., 2016. Semen Extender for the Short-Term Storage of Fish Sperm. *Edis*. 5, pp.1-3.
- Condro, H. S., Mubarak, A. S., & Sulmartiwi, L., 2012. Pengaruh Penambahan Madu pada Media Pengencer NaCl Fisiologis dalam Proses Penyimpanan Sperma terhadap Kualitas Sperma Ikan Komet (*Carassius auratus auratus*). *Journal of Marine Coastal Science*. 1(1), pp. 1–12.
- Deri, Adibrata, S., & Gustomi, A., 2023. Aspek Reproduksi Ikan Baung (*Hemibagrus nemurus*) di Sungai Air Gandong Kecamatan Riau Silip Kabupaten Bangka. *Akuatik Jurnal Sumberdaya Perairan*. 17(1), pp. 35–43.
- Devi, O. S., Susilowati, T., & Nugroho, R. A., 2019. Pengaruh Penambahan Madu dengan Dosis Berbeda dalam Media Pengencer NaCl Fisiologis terhadap Kualitas Sperma Ikan Tawes (*Barbonymus gonionotus*). *Jurnal Sains Akuakultur Tropis*. 3(2), pp. 21–30.
- Dhewantara, Y. L., & Rahmatia, F., 2017. Rekayasa Maturasi Menggunakan Hormon Oodev terhadap Ikan Synodontis (*Synodontis* sp ). *Jurnal Akuatika Indonesia*. 2(1), pp. 35–42.
- Domagała, J., Dziejulska, K., Kirczuk, L., & Pilecka-Rapacz, M., 2015. Sexual Cycle of White Bream, *Blicca bjoerkna* (Actinopterygii, Cypriniformes, Cyprinidae),

- from Three Sites of the Lower Oder River (NW Poland) Differing in Temperature Regimes. *Acta Ichthyologica Et Piscatoria*. 45(3), pp. 285–298.
- Dziewulska, K. & Pilarska, M., 2023. Spermatozoa Motility Traits of Chub (*Squalius cephalus* L.) under the Influence of Various Water Factors. *The European Zoological Journal*. 90(1), pp. 60–72.
- Elisdiana, Y., Jr, M. Z., & Soelistyowati, D. T., 2015. Induksi Pematangan Gonad Ikan Patin Siam *Pangasianodon hypopthalmus* (Sauvage , 1878) Jantan dengan Pemberian Ekstrak Cabe Jawa *Piper retrofractum* Vahl. Melalui Pakan. *Jurnal Ikhtiologi Indonesia*. 16(1), pp. 35–44.
- Faqih, A. R., 2011. Penurunan Motilitas dan Daya Fertilitas Sperma Ikan Lele Dumbo (*Clarias* spp) Pasca Perlakuan Stress Kejutan Listrik. *The Journal of Experimental Life Science*. 1(2), pp. 72–82.
- Febriani, M., Abinawanto, & Dewi, R. R. S. P. S., 2021. Sperm Motility of Brek Fish (*Systomus Orphoides*) Using Soy Extract as a Supplementation Extender. *Advances in Biological Sciences Research*. 14, pp. 283–286.
- Ferdiansyah, D., & Hidayat, M. T., 2022. *Ichthyology Anatomi pada Ikan*. Yogyakarta: Alineaku.
- Fishbase, 2023. *Labiobarbus leptocheilus*. Available at: <https://www.fishbase.se/summary/Labiobarbus-leptocheilus.html>. [Accessed 6 Juni 2023].
- Fu, S.-Y., Jiang, J.-H., Yang, W.-X., & Zhu, J.-Q., 2016. A Histological Study of Testis Development and Ultrastructural Features of Spermatogenesis in Cultured *Acrossocheilus fasciatus*. *Tissue and Cell*. 48(1), pp. 49-62.
- Habibah, A. N., & Pratiwi, M., 2019. Perkembangan Gonad Benih Ikan Nilem yang Dipelihara dalam Temperatur Berbeda. *Prosiding Seminar Nasional dan Call for Papers*. 9(1), pp. 22–28.
- Hajirezaee, S., Amiri, B. M., & Mirvaghefi, A., 2010. Fish Milt Quality and Major Factors Influencing the Milt Quality Parameters: A Review. *African Journal of Biotechnology*. 9(54), pp. 9148–9154.
- Handoko, K. J., Duchan, N., & Purnomo, T., 2018. Pengaruh Macam Media Pengencer terhadap Motilitas Spermatozoa Ikan Tombro (*Cyprinus carpio*) Selama Penyimpanan pada Suhu 4-5°C. *LenteraBio: Berkala Lentera Biologi*. 7(1), pp. 92–98.
- Hardian, A. B., Nugrahani, W. P., Rahmawati, I. P., & Megarani, D. V., 2020. Metode Perhitungan Eritrosit dan Leukosit Total pada Raptor di Wildlife Rescue Centre (WRC) Jogja. *Veterinary Biomedical & Clinical Journal*. 2(2), pp. 11–20.
- Hendri, A., Baihaqi, B., Yulham, H., & Agusriana, 2015. Tingkat Kematangan Gonad Ikan Kerling Jantan, *Tor tambroides*, (Cyprinidae) yang Tertangkap di Daerah Aliran Sungai Jambak Kabupaten Aceh Barat: Pendekatan Histologi. *Jurnal Perikanan Tropis*. 2(2), pp. 111–137.
- Ibrahim, Y., Fadhilah, R., & Karim, A., 2019. Suplementasi Seng (Zn) Anorganik ZnSO<sub>4</sub>·7H<sub>2</sub>O dalam Pakan terhadap Motilitas dan Viabilitas Sperma Ikan Serukan (*Osteochilus* sp.). *Jurnal Akuakultura*. 3(1), pp. 3–8.

- Irawan, H., 2014. Pengaruh pH pada Ekstender terhadap Daya Simpan dan Motilitas Sel Sperma Ikan Mas (*Cyprinus carpio*). *Dinamika Maritim*. 3(2), pp. 30–39.
- Irawati, Sahetapy, D., La Nuhu, H., & Gani, A., 2021. *Biologi Reproduksi Ikan*. Maluku: Politeknik Kelautan dan Perikanan Maluku.
- Iswanto, B., Suprpto, R., Marnis, H., & Imron, 2016. Performa Reproduksi Ikan Lele Mutiara (*Clarias gariepinus*). *Media Akuakultur*. 11(1), pp. 1–9.
- Kasim, K., Umar, C., Sulaiman, P. S., & Zulfia, N., 2012. Makanan dan Reproduksi Ikan Lukas (*Dangila cuvieri*, Valenciennes 1842) di Perairan Waduk Gajah Mungkur Wonogiri. *BAWAL: Widya Riset Perikanan Tangkap*. 4(2), pp. 113–120.
- Kasmi, M., Hadi, S., & Kantun, W., 2018. Biologi Reproduksi Ikan Kembung Lelaki, *Rastreliger kanagurta* (Cuvier, 1816) di Perairan Pesisir Takalar, Sulawesi Selatan. *Jurnal Iktiologi Indonesia*. 17(3), pp. 259–271.
- Khalil, M., Yunidar, Khalil, M., Rusydi, R., & Zulfikar, 2018. Efektivitas Biji Pepaya (*Carica papaya* L) dalam Menurunkan Fungsi Reproduksi Ikan Nila Gift, *Oreochromis niloticus* (Linnaeus, 1758). *Jurnal Iktiologi Indonesia*. 19(1), pp. 79–96.
- Khanam, M. U. H., Nahiduzzaman, M., Hassan, M. M., Sultana, M., & Rafiquzzaman, S. M., 2008. Milt Quality Determination of a Critically Endangered Fish, Olive Barb (*Puntius sarana*, Ham.) in Bangladesh. *Bangladesh Journal of Fisheries Research*. 12(2), pp. 163–171.
- Khodadadi, M., Arab, A., & Jaferian, A., 2016. A Preliminary Study on Sperm Morphology, Motility and Composition of Seminal Plasma of Shitbot, *Barbus grypus*. *Turkish Journal of Fisheries and Aquatic Science*. 16(4), pp. 953–959.
- Koumpiadis, P., Sganga, D. E., Politis, S. N., Gallego, V., Butts, I. A. E., Asturiano, J. F., Batjakas, I. E., & Tomkiewicz, J., 2021. Sperm Production and Quality in European Eel (*Anguilla anguilla*) in Relation to Hormonal Treatment. *Reproduction in Domestic Animals*. 59(12), pp. 1497–1505.
- Kowalski, R. K., Hliwa, P., Cejko, B. I., Król, J., Stabiński, R., & Cierieszko, A., 2012. Quality and Quantity of Smelt (*Osmerus eperlanus* L.) Sperm in Relation to Time after Hormonal Stimulation. *Reproductive Biology*. 12(2), pp. 231–246.
- Kurniawan, I. Y., Basuki, F., & Susilowati, T., 2013. The addition of Coconut Water and Glycerol In Storage of Sperm Motility and Fertility Spermatozoa Carp (*Cyprinus Carpio* L.). *Journal of Aquaculture Management and Technology*. 2(1), pp. 51–65.
- Kusuma, P. S. W., & Hariani, D., 2017. Induksi Laserpunktur pada Titik Reproduksi terhadap Peningkatan Kadar Testosteron dan Peningkatan Nilai Gonado Somatic Index (GSI) Induk Lele Jantan (*Clarias* sp.). *Seminar Nasional Hasil Penelitian Universitas Kanjuruhan Malang*. 5(1), pp. 106–115.
- Law, N. C., & Oatley, J. M., 2020. Developmental Underpinnings of Spermatogonial Stem Cell Establishment. *Andrology*. pp. 1–10.
- Lestari, D. F., & Syukriah, S., 2020. Manajemen Stres pada Ikan untuk Akuakultur Berkelanjutan. *JAMI: Jurnal Ahli Muda Indonesia*. 1(1), pp. 96–105.

- Lestari, T. P., Kur'ani, N., Farida, & Fahrurrazi, A., 2020. Peningkatan Potensi Reproduksi Ikan Cupang (*Betta splendens*) Jantan Melalui Induksi Hormonal. *Jurnal Ruaya*. 8(1), pp. 10–17.
- Lisna, 2016. Aspek Biologi Reproduksi Ikan Tambakan (*Heleostoma temminckii*) di Perairan Umum Kecamatan Kumpeh Ulu Kabupaten Muaro Jambi. *Biospecies*. 9(1), pp. 15–22.
- Luthfi, M. J., 2013. Analisis Kualitas Sperma Hewan Uji: Metode Penghitungan Bilangan Sperma Epididimis Tikus. *Kaunia: Integration and Interconnection Islam and Science*. 9(1), pp. 32–39.
- Manantung, V. O., Sinjal, H. J., & Monijung, R. D., 2013. Evaluasi Kualitas, Kuantitas Telur dan Larva Ikan Patin Siam (*Pangasianodon hypophthalmus*) dengan Penambahan Ovaprim Dosis Berbeda. *Jurnal Budidaya Perairan*. 1(3), pp. 14–23.
- Mangkunegara, A. A. A., Dwinanti, S. H., & Syaifudin, M., 2019. Pemanfaatan Madu sebagai Bahan Ekstender untuk Kriopreservasi Sperma Ikan Gabus (*Channa striata*). *Jurnal Akuakultur Rawa Indonesia*. 7(2), pp. 123–134.
- Mohd, I., Bhat, F. A., Balkhi, M. H., Shah, T. H., Bhat, B. A., Shah, F. A., & Wali, A., 2023. Evaluation of the Seminal Plasma of Captive and Wild Scale Carp *Cyprinus carpio* var. *Communis* in Kashmir, India. *Indian Journal of Fisheries*. 70(4), pp.
- Mukti, A. T., Sari, Y. G. P., Agusdinata, G. S. R., Satyantini, W. H., Mubarak, A. S., Luqman, E. M., & Widjiati, 2020. The Effects of Laserpuncture on Gonadal Maturity and Sperm Quality of Male Striped Catfish (*Pangasianodon hypophthalmus*). *Theriogenology*. 147, pp. 102–107.
- Mustac, B., & Sinovic, G., 2021. Oogenesis and Spermatogenesis in Round Sardinella (*Sardinella aurita* Valenciennes, 1847) from the Eastern Part of the Adriatic Sea. *Periodicum Biologorum*. 123(3-4), pp. 89–94.
- Mylonas, C. C., Duncan, N. J., & Asturiano, J. F., 2017. Hormonal Manipulations for the Enhancement of Sperm Production in Cultured Fish and Evaluation of Sperm Quality. *Aquaculture*. 472(1), pp. 21–44.
- Nurfitrih, Nilawati, J., & Tis'in, M., 2023. Pengaruh Konsentrasi Larutan Madu dalam NaCl Fisiologis Terhadap Motilitas dan Viabilitas Spermatozoa Ikan Koi (*Cyprinus carpio* L.). *Jurnal Trofish*. 2(1), pp. 5–12.
- Nurhidayat, L., Arfiani, F. N., & Retnoaji, B., 2017. Indeks Gonadosomatik dan Struktur Histologis Gonad Ikan Uceng (*Nemacheilus fasciatus*, Valenciennes in Cuvier and Valenciennes, 1846). *Biosfera*. 34(2), pp. 67–74.
- Ozvarol, Z. A. B., Balci, B. A., Gokoglu, M., Tasli, A., Kaya, Y., & Pehlivan, M., 2010. Age, Growth and Reproduction of Goldband Goatfish (*Upeneus moluccensis*) Bleeker (1855) from the Gulf of Antalya (Turkey). *Journal of Animal and Veterinary Advances*. 9(5), pp. 939–945.
- Pasaribu, R. H., Eddiwan, & Putra, R. M., 2020. Identifikasi Jenis Ikan di Perairan Sungai Umban Sari Kecamatan Rumbai Provinsi Riau. *Jurnal Sumberdaya dan Lingkungan Akuatik*. 1(2), pp. 131–142.
- Pertiwi, P., Abinawanto, A., & Yimastria, S., 2018. Fertilization Rate of Lukas Fish

- (*Puntius bramoides*). *AIP Conference Proceedings*. 0201601, pp. 1–4.
- Pertiwi, P., Abinawanto, & Farisi, S., 2024. Efek Kuning Telur terhadap Motilitas Sperma Ikan Lukas (*Puntius bramoides* Val) Pascakriopreservasi. *BULLET: Jurnal Multidisiplin Ilmu*. 3(1), pp. 60–64.
- Petrovici, A., Popovici, I., & Solcan, C., 2017. Histological Structure of the Testis in Adult Zebrafish (*Danio rerio*). *Lucrari Stiintifice*. 60, pp. 505–510.
- Pla, S., Benvenuto, C., Capellini, I., & Piferrer, F., 2022. Switches, Stability and Reversals in the Evolutionary History of Sexual Systems in Fish. *Nature Communication*. 13(1), pp. 1–13.
- Prama, H., Nur, M., & Ayuzar, E., 2014. Pengaruh Penambahan Bahan Pengencer Sperma terhadap Fertilitas Spermatozoa Ikan Lele Dumbo (*Clarias gariepinus*). *Acta Aquatica: Aquatic Science Journal*. 1(1), pp. 46–52.
- Prasetio, E., Raharjo, E. I., & Agustian, L., 2022. Pengaruh Ekstrak Asam Humat Tanah Gambut sebagai Immunostimulan terhadap Tingkat Kesembuhan Ikan Nila (*Oreochromis niloticus*) yang Diinfeksi Bakteri *Aeromonas hydrophila*. *Jurnal Ruaya*. 10(1), pp. 30-44.
- Prastyawan, S. A., Ducha, N., & Purnomo, T., 2018. Pengaruh Macam Media Aktivator terhadap Motilitas Spermatozoa Ikan Tombro (*Cyprinus carpio*). *LenteraBio: Berkala Jurnal Biologi*. 7(2), pp. 99–103.
- Putri, D. S., Abulias, M. N., & Bhagawati, D., 2014. Studi Kekerabatan Ikan Familia Cyprinidae yang Tertangkap di Sungai Serayu Kabupaten Banyumas. *Scripta Biologica*. 1(2), pp. 129–135.
- Ridho, M. R., & Patriono, E., 2016. Aspek Reproduksi Ikan Kakap Putih (*Lates calcarifer* Block) di Perairan Terusan Dalam Kawasan Taman Nasional Sembilang Pesisir Kabupaten Banyuasin. *Jurnal Penelitian Sains*. 18(1), pp. 1–7.
- Rijal, M. A., Susanto, & Izzah, I. M., 2023. Respon Reproduksi dan Pertumbuhan Ikan Nilem (*Osteochilus vittatus*) yang Diberikan Pakan Suplementasi Tepung Spirulina (*Spirulina platensis*). *Sainteks*. 20(1), pp. 39–47.
- Saenjundaeng, P., Kaewmad, P., Supiwong, W., Pinthong, K., Pengseng, P., & Tanomtong, A., 2018. Karyotype and Characteristics of Nucleolar Organizer Regions in Longfin Carp, *Labiobarbus leptocheilus* (Cypriniformes, Cyprinidae). *Cytologia*. 83(3), pp. 265–269.
- Schulz, R. W., Nóbrega, R. H., Morais, R. D. V. S., De Waal, P. P., França, L. R., & Bogerd, J., 2015. Endocrine and Paracrine Regulation of Zebrafish Spermatogenesis: the Sertoli Cell Perspective. *Animal Reproduction*. 12(1), pp. 81–87.
- Singh, C., Bhat, F. A., Wani, G. B., Dar, S. A., Qayoom, I., & Najar, A. M., 2022. Evaluation of Effect of Extenders on Milt Quality of *Schizothorax niger* (Heckel, 1838). *Skuast Journal on Research*. 24(1), pp. 39–45.
- Sukendi, R. M., Yurisman, P., & Asiah., N., 2011. Pengaruh Kombinasi Penyuntikan Ovaprim dan Prostaglandin F 2  $\alpha$  (PGF 2  $\alpha$ ) terhadap Volume Semen dan Kualitas Spermatozoa Ikan Tambakan (*Helostoma temmincki* CV). *Jurnal Perikanan dan*

*Kelautan*. 16(1), pp. 132–143.

- Sularto, Dewi, R. R. S.P. S., & Khasani, I., 2010. Pengaruh Implantasi Hormon 17alfa-Metil Testosteron terhadap Pematangan Gonad dan Fertilitas Sperma Ikan Baung (*Mystus nemurus*). *Jurnal Riset Akuakultur*. 5(1), pp. 53–57.
- Sulistiono & Haryono, 2019. *Domestikasi Ikan Brek (Barbonymus balleroides) untuk Konservasi dan Diversifikasi Ikan Budidaya*. Bogor: Penerbit IPB Press.
- Suntoro, S. H., 1987. *Metode Pewarnaan (Histologi dan Histokimia): Bagian Anatomi dan Mikroteknik Hewan*. Jakarta: Penerbit Bhatara Karya Aksara.
- Susaty, P., 2017. *Domestikasi Ikan Liar Sungai sebagai Upaya Konservasi Biota Perairan: Suatu Pendekatan Bio-Reproduksi, Tantangan dan Harapan*. Monograf. ISBN: 978-602-1643-19-8. Purwokerto: Unsoed Press.
- Susaty, P., Lestari, W., Sugiharto, & Chasanah, T., 2022. Reproductive Aspects of Javaen Barb Fish, *Systomus Orphoides* in the Initial Domestication Program. *Biodiversitas*. 23(3), pp. 1511–1519.
- Tang, D., Gao, X., Lin, C., Feng, B., Hou, C., Zhu, J., & Wang, J., 2020. Cytological Features of Spermatogenesis in *Opsariichthys bidens* (Teleostei, Cyprinidae). *Animal Reproduction Science*. 10(2), pp. 1-29.
- Thamizhselvi, N. & Thirumathal, K., 2016. A Study of Interrelationship between Physico-Chemical Characteristics of Water and Spermatological Qualities of *Cyprinus carpio*. *International Journal of Fisheries Aquatic Studies*. 4(3), pp. 621–625.
- Tomasoa, A. M., Sudrajat, A. O., & Junior, M. Z., 2015. Induksi pematangan Gonad Ikan Sidat Menggunakan PMSG, antidopamine, dan estradiol-17 $\beta$ . *Jurnal Akuakultur Indonesia*. 14(2), pp. 112–121.
- Tumanung, S., Sinjal, H. J., & Watung, J. C., 2019. Penambahan Madu dalam Pengenceran Sperma untuk Meningkatkan Motilitas, Fertilisasi dan Daya Tetas Telur Ikan Mas (*Cyprinus carpio* L.). *Jurnal Budidaya Perairan*. 3(1), pp. 51–58.
- Umami, M., Sistina, Y., & Wijayanti, G. E., 2020. In Vitro Spermatogenesis of Shark Minnow Fish (*Osteochilus hasselti* Valenciennes 1842) as a Potential Fish Reproductive Biotechnology. *IOP Conference Series: Earth and Environmental Science*. 457, pp. 1–11.
- Untsa, A. T., Sutarjo, G. A., & Hakim, R. R., 2019. Simple Storage of Sperm Cells Using Combination of Coconut and Glycerol Water Towards Motility and Viability of Koi Sperm (*Cyprinus carpio*). *IJOTA: Indonesian Journal of Tropical Aquatic*. 2(1), pp. 25–32.
- Uribe, M. C., Grier, H. J., & Mejía-Roa, V., 2014. Comparative Testicular Structure and Spermatogenesis in Bony Fishes. *Spermatogenesis*. 4(3), pp. 1–13.
- Viveiros, A. T. M., Jatzkowski, A., & Komen, J., 2003. Effects of Oxytocin on Semen Release Response in African Catfish (*Clarias gariepinus*). *Theriogenology*. 59(9), pp. 1905–1917.
- Wijayanti, G. E., & Simanjuntak, S. B. I., 2006. Viabilitas Sperma Ikan Nilem (*Osteochilus hasselti* C.V.) Setelah Penyimpanan Jangka Pendek dalam Larutan

- Ringer. *Journal of Fisheries Science*. 8(2), pp. 207–214.
- Yanong, R. P., Martinez, C., & Watson, C. A., 2010. Use of Ovaprim in Ornamental Fish Aquaculture. *Edis*. 2, pp. 1-7.
- Yonarta, D., & Faqih, A. R., 2023. Endemic Fish Conservation: Utilization of Cryopreservation Technology with Fructose in Red Bader Fish (*Puntius Bramoides*) Sperm. *Journal of Aquaculture and Fish Health*. 12(3), pp. 432–442.
- Yonarta, D., Syaifudin, M., Taqwa, F. H., Tanbiyaskur, & Kusuma, M. F. A., 2022. Pengaruh Krioprotektan Dimetil Sulfoksida Dosis Berbeda dalam Ekstender Madu terhadap Kualitas Sperma Ikan Belida Selama Masa Penyimpanan. *Saintek Perikanan: Indonesian Journal of Fisheries Science and Technology*. 18(2), pp. 113–118.
- Yusni, E., 2023. *Reproduksi Ikan*. Medan: Merdeka Kreasi Group.
- Zahri, A., Sudrajat, A. O., & Junior, M. Z., 2015. Pertumbuhan Gonad Sidat *Anguilla bicolor bicolor* yang Diinduksi Kombinasi Hormon HCG, MT, E2, dan Antidopamin. *Jurnal Akuakultur Indonesia*. 14(1), pp. 69–78.
- Zairin, M., Handayani, S., & Supriatna, I., 2005. Kualitas Sperma Ikan Batak (*Torosoro*) Hasil Kriopreservasi Semen Menggunakan Dimetilsulfoksida (DMSO) dan Gliseril 5, 10 dan 15%. *Jurnal Akuakultur Indonesia*. 4(2), pp. 145–151.

