

DAFTAR PUSTAKA

- A, H., & Satria, A. (2012). Strategi Adaptasi Nelayan Terhadap Perubahan Ekologis. *Makara Journal of Science*, 16(1), 67–68.
- Vulnerability reduction and social inclusion: strategies for reducing poverty among small-scale fisherfolk, In *Wetlands, Water and Livelihoods Workshops* ____ (2006).
- Amrita, C. M., & Karthickumar, P. (2016). Need for mobile application in fishing. *International Journal of Science, Environment*, 5(5), 2818–2822. www.ijset.net
- Artiningsih, A., Worosuprojo, S., Rijanta, R., & Hardoyo, S. R. (2016). Enhancing Social-Ecological Resilience in Indonesia: A Case of North Pekalongan District, Central Java. *Jurnal Wilayah Dan Lingkungan*, 4(3), 187. <https://doi.org/10.14710/jwl.4.3.187-198>
- Asirin, A., & Argo, T. A. (2017). Penggunaan Teknologi Informasi dan Komunikasi dan Implikasinya terhadap Ketangguhan Mata Pencarian Nelayan. *Journal of Regional and Rural Development Planning*, 1(1), 1. <https://doi.org/10.29244/jp2wd.2017.1.1.1-15>
- ASIRIN, A., & ARGO, T. A. (2018). Penggunaan Teknologi Informasi dan Komunikasi dan Implikasinya terhadap Ketangguhan Mata Pencarian Nelayan. *Journal of Regional and Rural Development Planning*, 1(1), 1. <https://doi.org/10.29244/jp2wd.2017.1.1.1-15>
- Bauer, T., de Jong, W., Ingram, V., Arts, B., & Pacheco, P. (2022). Thriving in turbulent times: Livelihood resilience and vulnerability assessment of Bolivian Indigenous forest households. *Land Use Policy*, 119(April), 106146. <https://doi.org/10.1016/j.landusepol.2022.106146>
- Béné, C. (2009). Are Fishers Poor or Vulnerable? Assessing Economic Vulnerability in Small-Scale Fishing Communities. *The Journal of Development Studies*, 4(6), 911–933.
- Biggs, R., Schlüter, M., Biggs, D., Bohensky, E. L., Burnsilver, S., Cundill, G., Dakos, V., Daw, T. M., Evans, L. S., Kotschy, K., Leitch, A. M., Meek, C., Quinlan, A., Raudsepp-Hearne, C., Robards, M. D., Schoon, M. L., Schultz, L., & West, P. C. (2012). Toward principles for enhancing the resilience of ecosystem services. *Annual Review of Environment and Resources*, 37, 421–448. <https://doi.org/10.1146/annurev-environ-051211-123836>
- Bockstael, E. (2017). Critical capacity development: an action research approach in coastal Brazil. *World Development*, 94, 336–345.
- Brooks, K. J., Marshall, J. A., Fromm, J. G., & Bennison, S. G. (2010). *Integration of Socio-Economic Sustainability Criteria into a Reporting Framework for the Australian Aquaculture Industry*.
- Chambers, R. (1989). Vulnerability, Coping and Policy. *IDS Bulletin*, 20(2), 1–7.
- Chhachhar, A. R., & Omar, S. Z. (2012). Use of Mobile Phone among Fishermen for Marketing and Weather information. *Archives Des Sciences*, 65(8), 107–119.
- Chuenpagdee, R., & Juntarashote, K. (2011). Learning from the Experts: Attaining Sufficiency in Small-Scale Fishing Communities in Thailand. In S. Jentoft (Ed.), *Poverty Mosaics: Realities and Prospects in Small-Scale Fisheries* (pp. 309–331). Springer Netherlands. https://doi.org/10.1007/978-94-007-1582-0_14
- Cooke, S. J., Venturelli, P., & Twardek, W. M. (2021). Technological innovations in the recreational fishing sector: implications for fisheries management and policy. In *Rev Fish Biol Fisheries*. Springer. <https://doi.org/10.1007/s11160-021-09643-1>
- Creswel, J. W. (2017). Research Design. Qualitative, Quantitative and Mixed Method Approaches. In *SAGE Publication* (Vol. 91).
- D, A., C, B., & Charles, A. (2012). The interplay of well-being and resilience in applying a social-ecological perspective. *Ecology and Society*, 14(4), 15.

- <https://doi.org/https://doi.org/10.5751/ES-04940-170415>
- Dash, M. K., Singh, C., Panda, G., & Sharma, D. (2022). ICT for sustainability and socio-economic development in fishery: a bibliometric analysis and future research agenda. In *Environment, Development and Sustainability* (Issue 0123456789). Springer Netherlands. <https://doi.org/10.1007/s10668-022-02131-x>
- Ejiogu-Okereke, N. E., Chikaire, J. U., Ogueri, E. I., & Chikezie, N. P. (2016). Roles of information and communications technologies in improving fish farming and production in Rivers State, Nigeria. *Library Philosophy and Practice*, 2016(1).
- F, B. (2007). Understanding uncertainty and reducing vulnerability: lessons from resilience thinking. *Natural Hazard*, 41, 283–295.
- F, B. (2015). *Coasts for people. Interdisciplinary approaches to costal and marine resource management*. Routledge.
- FAO, & Worldfish. (2020). Information and communication technologies for small-scale fisheries (ICT4SSF) - A handbook for fisheries stakeholders. In *Information and communication technologies for small-scale fisheries (ICT4SSF) - A handbook for fisheries stakeholders*. <https://doi.org/10.4060/cb2030en>
- Folke, C., Biggs, R., Norström, A. V., Reyers, B., & Rockström, J. (2016). Social-ecological resilience and biosphere-based sustainability science. *Ecology and Society*, 21(3). <https://doi.org/10.5751/ES-08748-210341>
- Forster, J., Lake, I. R., Watkinson, A. R., & Gill, J. A. (2014). Marine dependent livelihoods and resilience to environmental change: A case study of Anguilla. *Marine Policy*, 45, 204–212. <https://doi.org/10.1016/j.marpol.2013.10.017>
- Garmestani, A., Craig, R. K., Gilissen, H. K., McDonald, J., Soininen, N., van Doorn-Hoekveld, W. J., & van Rijswijk, H. F. M. W. (2019). The Role of Social-Ecological Resilience in Coastal Zone Management: A Comparative Law Approach to Three Coastal Nations. *Frontiers in Ecology and Evolution*, 7(October), 1–14. <https://doi.org/10.3389/fevo.2019.00410>
- Haambiya, L., H, M., & M, M. (2020). A review on the use of information communication technology (ict) in fisheries management: a case of mbenji island small-scale fishery in malawi. *African Journal of Food, Agriculture, Nutrition and Development*, 20(7), 17113–17124. <https://doi.org/10.18697/ajfand.95.18195>
- Habibie, T. J., Yasirandi, R., & Oktaria, D. (2021). The analysis of Pangandaran fisherman's actual usage level of GPS based on TAM model. *Procedia Computer Science*, 197(2021), 34–41. <https://doi.org/10.1016/j.procs.2021.12.115>
- Halim, A., Wiryawan, B., Loneragan, N. R., Hordyk, A., Sondita, M. F. A., White, A. T., Koeshendrajana, S., Ruchimat, T., Pomeroy, R. S., & Yuni, C. (2020). Merumuskan Definisi Perikanan Skala-Kecil Untuk. *Journal of Fisheries and Marine Research*, 4(2), 239–262. <http://jfmr.ub.ac.id>
- Ifejika Speranza, C., Wiesmann, U., & Rist, S. (2014). An indicator framework for assessing livelihood resilience in the context of social-ecological dynamics. *Global Environmental Change*, 28(1), 109–119. <https://doi.org/10.1016/j.gloenvcha.2014.06.005>
- Ilyas, M. (2017). Sertifikasi dan Labelisasi Produk Halal Perspektif Maslahat. *Jurnal Al-Qadau: Peradilan Dan Hukum Keluarga Islam*, 4(2), 357. <https://doi.org/10.24252/al-qadau.v4i2.5682>
- Imran, H. A. (2010). Literasi Teknologi Informasi dan Komunikasi Masyarakat Pedesaan. *Jurnal Studi Komunikasi Dan Media*, 19, 153–164.

- IPCC. (2007). *Climate Change*. Cambridge University Press.
- Jentoft, S., Chuenpagdee, A., & Bundy, A. (2010). Pyramids and roses: alternative images for the governance of fisheries systems. *Mar InePolicy*, 34, 1315–1321.
- Jentoft, S., Eide, A., Bavinck, M., Chuenpagdee, R., & Raakjær, J. (2011). A Better Future: Prospects for Small-Scale Fishing People. In S. Jentoft & A. Eide (Eds.), *Poverty Mosaics: Realities and Prospects in Small-Scale Fisheries* (pp. 451–469). Springer Netherlands. https://doi.org/10.1007/978-94-007-1582-0_20
- Jorgenson, D. W., & Vu, K. M. (2016). The ICT revolution, world economic growth, and policy issues. *Telecommunications Policy*, 40(5), 383–397. <https://doi.org/10.1016/j.telpol.2016.01.002>
- Joshi, H., & Ayyangar, G. (2010). ICT: A Boon for Fishermen Community. *Journal of Global Communication*, 3(1), 8–13.
- Kementerian Kelautan dan Perikanan. (2013). *Profil kelautan dan perikanan provinsi jawa tengah untuk mendukung industrialisasi KP*.
- Khattabi, A., & Jobbins, G. (2011). Vulnerability and adaption of traditional fisheries to climate change. In R. Chuenpagdee (Ed.), *World Small-scale Fisheries: Contemporary Visions* (pp. 63–80). Eburon Academic Publishers.
- Kronen, M., Vunisea, A., Magron, F., & McArdle, B. (2010). Socio-economic drivers and indicators for artisanal coastal fisheries in Pacific island countries and territories and their use for fisheries management strategies. *Marine Policy*, 34(6), 1135–1143. <https://doi.org/10.1016/j.marpol.2010.03.013>
- Lecegui, A., Olaizola, A. M., López-i-Gelats, F., & Varela, E. (2022). Implementing the livelihood resilience framework: An indicator-based model for assessing mountain pastoral farming systems. *Agricultural Systems*, 199(October 2021). <https://doi.org/10.1016/j.agsy.2022.103405>
- Mazuki, R., Omar, S. Z., Bolong, J., Silva, J. L. D., & Hassan, M. A. (2013). *Social Influence in Using ICT among Fishermen in Malaysia*. April 2016. <https://doi.org/10.5539/ass.v9n2p135>
- McCulloch, N., & Calandrino, M. (2003). Vulnerability and Chronic Poverty in Rural Sichuan. *World Development*, 31(3), 611–628.
- McKenzie, S. (2004). *Social Sustainability: Towards Some Definitions*.
- Millán, A. . (2019). *Vulnerability and Viability of Small-Scale Fisheries in Sial, Yucatan, Mexico* (Issue May). Memorial University of Newfoundland.
- Morgera, E., & Ntona, M. (2018). Linking small-scale fisheries to international obligations on marine technology transfer. *Marine Policy*, 93, 295–306.
- Muawanah, U., Kusumaningrum, P. D., Nugroho, H., & Daniel, D. (2018). Gambaran, Karakteristik Pengguna Dan Persepsi Nelayan Terhadap Kemanfaatan Sistem Aplikasi Nelayan Pintar (Sinp) Di Pelabuhan Perikanan Indonesia. *Jurnal Kebijakan Sosial Ekonomi Kelautan Dan Perikanan*, 7(1), 63. <https://doi.org/10.15578/jksekp.v7i1.6460>
- Muhson, A. (2006). Teknik Analisis Kuantitatif. *Makalah Teknik Analisis II*, 1–7. <http://staffnew.uny.ac.id/upload/132232818/pendidikan/Analisis+Kuantitatif.pdf>
- Murdiyarto, D. (2005). *Sepuluh Tahun Perjalanan Negosiasi Konvensi Perubahan Iklim*. Penerbit Buku Kompas.
- Natsir, M., Ardianto, R., Puspasari, R., & Wada, M. (2022). Application of ICT to Support Sustainable Fisheries Management: Bali Sardine Fishery, Indonesia. *Journal of Information Processing*, 30(May), 422–434. <https://doi.org/10.2197/ipsjjip.30.422>

- Naya, D. A. B., Wijayanto, D., & Sardiyatmo. (2017). Analisis komoditas unggulan perikanan tangkap di Provinsi Jawa Tengah. *Journal of Fisheries Resources Utilization Management and Technology*, 6(3), 37–46.
- Nayak, P. K. (2019). *Vulnerable yet viable : Fisheries and aquaculture amidst global change processes*.
- Nayak, P. K., & Berkes, F. (2019). Interplay Between Local and Global: Change Processes and Small-Scale Fisheries. In R. Chuenpagdee & S. Jentoft (Eds.), *Transdisciplinarity for Small-Scale Fisheries Governance: Analysis and Practice* (pp. 203–220). Springer International Publishing. https://doi.org/10.1007/978-3-319-94938-3_11
- Nthane, T. T., Saunders, F., Gallardo Fernández, G. L., & Raemaekers, S. (2020). Toward sustainability of South African small-scale fisheries leveraging ICT transformation pathways. *Sustainability*, 12(2), 743.
- Ntiri, P., Ragasa, C., Anang, S. A., Kuwornu, J. K. M., & Nimorme Torbi, E. (2022). Does ICT-based aquaculture extension contribute to greater adoption of good management practices and improved incomes? Evidence from Ghana. *Aquaculture*, 557(May), 738350. <https://doi.org/10.1016/j.aquaculture.2022.738350>
- Nugroho, B. M., Susilowati, I., Thohir, M., Prastyadewi, I., & Suciati, I. (2021). *Fishermen behavior in the use of information and communication technologies (ICTs) in Central Java Province , Indonesia : Comparative study in Pati and Pemalang regencies*. 14(5), 2698–2707.
- Nugroho, S. B. M., Susilowati, I., Thohir, M., Prastyadewi, M. I., & Suciati, I. (2021). Fishermen behavior in the use of information and communication technologies (Icts) in central java province, indonesia: Comparative study in pati and pemalang regencies. *AACL Bioflux*, 14(5), 2698–2707. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121575364&partnerID=40&md5=96be4d812fed0c83d03a38d45f00cf8f>
- Omar, S., & Chhachhar, A. (2012). A review on the roles of ICT tools towards the development of fishermen. *Journal of Basic and Applied Scientific Research*, 2(10), 9905–9911. http://www.researchgate.net/profile/Abdul_Razaque_Chachhar3/publication/233741219_A_Review_on_the_Roles_of_ICT_Tools_towards_the_Development_of_Fishermen/links/54269ef50cf238c6ea7901b9.pdf
- Omar, S. Z., Hassan, M. A., Shaffril, H. A. M., Bolong, J., & D'silva, J. L. (2011). Information and communication technology for fisheries industry development in Malaysia. *African Journal of Agricultural Research*, 6(17), 4166–4176.
- Osman, M. ., Omar, S. Z., Bolong, J., D'silva, J. ., & Shaffril, H. A. . (2014). Readiness of young Malaysian fishermen to use global positioning system within the fishing operation. *Asian Social Science*, 10(14), 1–7.
- Osman, M. N., Zobidah Omar, S., Bolong, J., Lawrence D'Silva, J., & Azril Mohamed Shaffril, H. (2014). Readiness of young Malaysian fishermen to use global positioning system within the fishing operation. *Asian Social Science*, 10(14), 1–7. <https://doi.org/10.5539/ass.v10n14p1>
- Patriana, R., & Satria, A. (2015). POLA ADAPTASI NELAYAN TERHADAP PERUBAHAN IKLIM: Studi Kasus Nelayan Dusun Ciawitali, Desa Pamotan, Kecamatan Kalipucang, Kabupaten Ciamis, Jawa Barat. *Jurnal Sosial Ekonomi Kelautan Dan Perikanan*, 8(1), 11. <https://doi.org/10.15578/jsekp.v8i1.1191>
- Previero, M., & Gasalla, M. A. (2018). Mapping fishing grounds, resource and fleet patterns to enhance management units in data-poor fisheries: The case of snappers and groupers in the Abrolhos Bank coral-reefs (South Atlantic). *Ocean and Coastal Management*, 154(October

- 2017), 83–95. <https://doi.org/10.1016/j.ocecoaman.2018.01.007>
- Priwardhani. (2013). Ketika Kupu-Kupu Kuning Tak Lagi Muncul: Perubahan Iklim dan Pengetahuan Lokal di Dua Desa Pesisir Kabupaten Ende. In *Journal Transformasi Sosial – Wacana* (Vol. 29, Issue 6, pp. 113–135). Insist Press.
- Rochmayanto, Y., & Kurniasih, P. (2013). Peranan Gender dalam Adaptasi Perubahan Iklim pada Ekosistem Pegunungan di Kabupaten Solok, Sumatra Barat. *Journal Analisis Kebijakan Kehutanan*, 10(3), 203–213.
- Sabu, M., Shaijumon, C. S., & Rajesh, R. (2017). Factors influencing the adoption of ICT tools in Kerala marine fisheries sector: an analytic hierarchy process approach. *Technology Analysis and Strategic Management*, 30(7), 866–880. <https://doi.org/10.1080/09537325.2017.1388363>
- Sabu, M., Shaijumon, C. S., & Rajesh, R. (2018). Factors influencing the adoption of ICT tools in Kerala marine fisheries sector: an analytic hierarchy process approach. *Technology Analysis and Strategic Management*, 30(7), 866–880. <https://doi.org/10.1080/09537325.2017.1388363>
- Sagala, S. A. H., Argo, T. A., Asirin, A., Adhitama, P., & Yamin, D. (2016). Strategi Adaptasi Nelayan Terhadap Dampak Perubahan Lingkungan (Studi Kasus : Pemanfaatan Teknologi Penangkapan Ikan Laut). *Jurnal Penataan Ruang*, 11(2), 22. <https://doi.org/10.12962/j2716179x.v11i2.5216>
- Senapati, S., & Gupta, V. (2017). Socio-economic vulnerability due to climate change: Deriving indicators for fishing communities in Mumbai. *Marine Policy*, 76(November 2014), 90–97. <https://doi.org/10.1016/j.marpol.2016.11.023>
- Simpson, J. A. (1989). *The Oxford English Dictionary*. Oxford University Press.
- Smit, B., & Wandel, J. (2006, August). Adaptation, adaptive capacity and vulnerability. *Global Environmental Change*, 16(3), 282–292.
- Sommerkorn, M., Cornell, S., Nilsson, A. E., Wilkinson, C., Robards, M., Vlasova, T., & Quinlan, A. (2013). A resilience approach to social - ecological systems: Central concepts and concerns. *Researchgate.Net*, October 2015, 15–25.
- Susilowati, I., Thohir, M., Sbm, N., & Suciati, I. (2020a). Pemanfaatan aplikasi nelayan pintar di Kabupaten Pati – Jawa Tengah. *Jurnal Ekonomi Dan Bisnis*, 23(2), 243–262.
- Susilowati, I., Thohir, M., Sbm, N., & Suciati, I. (2020b). Pemanfaatan aplikasi nelayan pintar di Kabupaten Pati – Jawa Tengah oleh para nelayan , seperti adanya gelombang pasang , arah angin yang tak menentu , iklim . Nelayan hidup dalam ketidakpastian hasil mata pencahariannya karena nelayan. *Jurnal Ekonomi Dan Bisnis*, 23(2), 243–262.
- Vatria, B., Wiryawan, B., Wiyono, E. S., & Baskoro, M. S. (2019). The resilience of small fishermen's livelihood in Maya Island Indonesia; a case study on purse seine capture fisheries. *Aquaculture, Aquarium, Conservation & Legislation*, 12(1), 310–319. <https://search.proquest.com/docview/2213785124?accountid=17242>
- Wolf, S., Hinkel, J., Hallier, M., Bisaro, A., Lincke, D., Ionescu, C., & Klein, R. J. T. (2013). Clarifying vulnerability definitions and assessments using formalisation. *International Journal of Climate Change Strategies and Management*, 5(1), 54–70. <https://doi.org/10.1108/17568691311299363>
- Zhou, W., Guo, S., Deng, X., & Xu, D. (2021). Livelihood resilience and strategies of rural residents of earthquake-threatened areas in Sichuan Province, China. *Natural Hazards*, 106(1), 255–275. <https://doi.org/10.1007/s11069-020-04460-4>