

DAFTAR PUSTAKA

- Amos, D., & Akib, S. (2023). A Review of Coastal Protection Using Artificial and Natural Countermeasures—Mangrove Vegetation and Polymers. In *Eng. mdpi.com*. <https://www.mdpi.com/2673-4117/4/1/55>
- Ananda, A., & Haryani. (2022). Pemetaan Tingkat Kerawanan Banjir Kawasan Perumahan Kota Tanjungpinang Berbasis SIG (Sistem Informasi Geografis). ... of Undergraduate Research, Faculty of Civil <https://ejurnal.bunghatta.ac.id/index.php/JFTSP/article/view/21986>
- Asyiwati, Y., & Akliyah, L. S. (2011). Identifikasi Dampak Perubahan Fungsi Ekosistem Pesisir Terhadap Lingkungan di Wilayah Pesisir Kecamatan Muaragembong. *Jurnal Perencanaan Wilayah Dan Kota*, 14(1), 1–13.
- Asyiwati, Y., Yulianda, F., Dahuri, R., Sitorus, S. R. P., & Susilo, S. B. (2010). Status ekosistem pesisir bagi perencanaan tata ruang wilayah pesisir di kawasan Teluk Ambon. *Jurnal Perencanaan Wilayah Dan Kota*, 10(1), 56–62.
- Athukorala, D. (2021). Impacts of urbanization on the muthurajawela marsh and negombo lagoon, sri lanka: Implications for landscape planning towards a sustainable urban wetland ecosystem. *Remote Sensing*, 13(2), 1–22. <https://doi.org/10.3390/rs13020316>
- BPS, K. (2023). *Provinsi Kepulauan Riau Dalam Angka*. https://id.wikipedia.org/wiki/Kepulauan_Riau
- Buchori, I., Sugiri, A., Mussadun, M., Wadley, D., Liu, Y., Pramitasari, A., & Pamungkas, I. T. D. (2018). A predictive model to assess spatial planning in addressing hydro-meteorological hazards: A case study of Semarang City, Indonesia. *International Journal of Disaster Risk Reduction*, 27(November), 415–426. <https://doi.org/10.1016/j.ijdr.2017.11.003>
- Budihardjo, E., & Hardjohubojo, S. (1993). *Kota Berwawasan Lingkungan*.
- Burhan, I. M., Achmad, A., Rizkiya, P., & Hasan, Z. (2020). Forecasting the land use change of urban coastal area in Banda Aceh and its impact on urban sustainability using LandUseSIM cellular automata simulation model. *Aceh International Journal of Science and Technology*, 9(3), 120–131. <https://doi.org/10.13170/aijst.9.3.17303>
- Dahuri, R., Rais, J., Ginting, S., & Sitepu. (2001). *Pengelolaan Sumber Daya Wilayah Pesisir dan Lautan Secara Terpadu*.
- De Dominicis, M., Wolf, J., van Hesperen, R., Zheng, P., & Hu, Z. (2023). Mangrove forests can be an effective coastal defence in the Pearl River Delta, China. *Communications Earth and Environment*, 4(1). <https://doi.org/10.1038/s43247-022-00672-7>
- Dewi, Pavitasari, A. E., & Pribadi, D. O. (2023). Arahan Pengembangan Kawasan Permukiman di Kota Tanjungpinang Provinsi Kepulauan Riau. *Jurnal Ilmu Tanah Dan Lingkungan*, 25(1), 7–18. <https://doi.org/10.29244/jitl.25.1.7-18>
- Diny Evitasari, & Sukendah. (2023). Dampak Degradasi dan Strategi Hutan Mangrove dalam Menjaga Ekosistem. *Hurnal Ilmu Pertanian Dan Perhutanan*, 5(1), 39–46.
- Duvat, V. K. E., Magnan, A. K., Wise, R. M., Hay, J. E., Fazey, I., Hinkel, J., Stojanovic, T., Yamano, H., & Ballu, V. (2017). Trajectories of exposure and

- vulnerability of small islands to climate change. *Wiley Interdisciplinary Reviews: Climate Change*, 8(6). <https://doi.org/10.1002/wcc.478>
- Fahrudin, A., Sadelie, A., Lisdayanti, E., & Barat, A. (2022). *Perubahan Tutupan Lahan Ekosistem Mangrove Kabupaten Aceh Timur (Land Cover Changes of Mangrove Ecosystem of East Aceh Regency) Pendahuluan Kawasan ekosistem mangrove rentan terhadap perubahan lahan salah satunya adalah eksploitasi yang meningkat . Menu*. 6, 69–80.
- Farhana, F., Zulfikar, A., & Koenawan, C. J. (2016). *Analisis Kesesuaian Lahan Pada Kawasan Rehabilitasi Mangrove Di Desa Temburun Kabupaten Kepulauan Anambas*. 1–14.
- Hafni, R. (2016). Analisis Dampak Rehabilitasi Hutan Mangrove terhadap Pendapatan Masyarakat Desa Lubuk Kertang Kabupaten Langkat. In *Jurnal Ekonomikawan*. core.ac.uk. <https://core.ac.uk/download/pdf/290536391.pdf>
- Hakim, B. A., Kustiyanto, E., Choliso, E., Airawati, M. N., Wibawa, B., Susilo, Y. S., & Asharo, R. K. (2022). Assessing Environmental Physics: Tidal Flood Impact with Multidiscipline Approach (Case Study Coastal Cities Semarang Indonesia). *Journal of Physics: Conference Series*, 2377(1). <https://doi.org/10.1088/1742-6596/2377/1/012059>
- Hauer, M., Mueller, V., Sheriff, G., & Zhong, Q. (2021). More than a nuisance: Measuring how sea level rise delays commuters in Miami, FL. *Environmental Research Letters*, 16(6). <https://doi.org/10.1088/1748-9326/abfd5c>
- Hidayat, A., & Dessy, D. R. (2021). Deforestasi Ekosistem Mangrove Di Pulau Tanakeke, Sulawesi Selatan, Indonesia. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, 13(3), 441–456. <https://doi.org/10.29244/jitkt.v13i3.38502>
- Hülßen, S., McDonald, R. I., Chaplin-Kramer, R., Bresch, D. N., Sharp, R., Worthington, T., & Kropf, C. M. (2023). *Global coastal protection benefits of ecosystems - past, present, and under climate change*.
- IAP. (2022). *Indonesia Most Livable City Index 2022*. 1–26.
- Ihinegbu, C., Mönnich, S., & Akukwe, T. (2023). Scientific Evidence for the Effectiveness of Mangrove Forests in Reducing Floods and Associated Hazards in Coastal Areas. *Climate*, 11(4). <https://doi.org/10.3390/cli11040079>
- Imran, S. Y. (2013). Fungsi tata ruang dalam menjaga kelestarian lingkungan hidup Kota Gorontalo. *Jurnal Dinamika Hukum*, 13(3), 457–467.
- Iskandar, P., & Prasetyo, W. (2022). Liveable city from the perspective of disaster management. *IOP Conference Series: Earth and Environmental Science*, 986(1). <https://doi.org/10.1088/1755-1315/986/1/012043>
- Karamouz, M., Zoghi, A., & Mahmoudi, S. (2022). Flood Modeling in Coastal Cities and Flow through Vegetated BMPs: Conceptual Design. *Journal of Hydrologic Engineering*, 27(10). [https://doi.org/10.1061/\(asce\)he.1943-5584.0002206](https://doi.org/10.1061/(asce)he.1943-5584.0002206)
- Kazemi, A., Castillo, L., & Curet, O. M. (2021). Mangrove roots model suggest an optimal porosity to prevent erosion. In *Scientific reports*. nature.com. <https://www.nature.com/articles/s41598-021-88119-5>
- Kodoatie, R. J. (2005). *Pengantar Manajemen Infrastruktur*.
- Kodoatie, R. J., & Sjarief, R. (2010). *Tata Ruang Air*.
- Kristarani, H., & Fajarwati, A. (2004). *Kajian Kota Layak Huni Berdasarkan Aspek Lingkungan Hidup*.
- Lane, K., Charles-Guzman, K., Wheeler, K., Abid, Z., Graber, N., & Matte, T.

- (2013). Health effects of coastal storms and flooding in urban areas: A review and vulnerability assessment. *Journal of Environmental and Public Health*, 2013. <https://doi.org/10.1155/2013/913064>
- Lestari, F. (2013). *Komposisi Jenis dan Sebaran Ekosistem Mangrove Di Kawasan Pesisir Kota Tanjungpinang, Kepulauan Riau*.
- Manorajan, Mohapatra. (2022). Sustainable Urban Development and Livability. 09(02):05-11. doi: 10.34047/mmr.2020.9201)
- Marasabessy, I., Fahrudin, A., Imran, Z., & Agus, S. B. (2018). Strategi Pengelolaan Berkelanjutan Pesisir dan laut Pulau Nusa Manu dan Nusa Leun di Kabupaten Maluku Tengah. *Journal of Regional and Rural Development Planning*, 2(1), 11. <https://doi.org/10.29244/jp2wd.2018.2.1.11-22>
- Martino, N., Girling, C., & Lu, Y. (2021). Urban form and livability: socioeconomic and built environment indicators. *Buildings and Cities*, 2(1), 220–243. <https://doi.org/10.5334/bc.82>
- Maulani, A., Taufiq-SPJ, N., & ... (2021). Perubahan lahan mangrove di pesisir muara gembong, bekasi, jawa barat. *Journal of Marine* <https://ejournal3.undip.ac.id/index.php/jmr/article/view/28396>
- Miftadira, R. (2023). *Perencanaan Tata Ruang Kota Pulau Berkelanjutan*.
- Muin, A., & Rakuasa, H. (2023). Evaluasi Rencana Tata Ruang Wilayah Kota Ambon Berdasarkan Aspek Kerawanan Banjir. *Ilmiah Multidisiplin*, 2(5), 1727–1738.
- Naraswari, A. R. (2023). *Klasifikasi Perubahan Tutupan Lahan Mangrove Di Pulau Bintan Provinsi Kepulauan*.
- Palutikof, J. P., Boulter, S. L., Barnett, J., & Rissik, D. (2015). *5 Designing spatial adaptation planning instruments*.
- Pattimahu, D. V. (2023). *Pengelolaan Hutan Mangrove Pulau Pulau Kecil : Suatu Dimensi Pengelolaan Berkelanjutan*.
- Pelling, M., & Uitto, J. I. (2001). Small island developing states: Natural disaster vulnerability and global change. *Environmental Hazards*, 3(2), 49–62. <https://doi.org/10.3763/ehaz.2001.0306>
- Pemerintah. (2007). *Undang Undang Republik Indonesia Nomor 27 Tahun 2007 Tentang Pengelolaan Wilayah Pesisir dan Pulau-Pulau Kecil*.
- Pennings, S. C., Glazner, R. M., Hughes, Z. J., Kominoski, J. S., & Armitage, A. R. (2021). Effects of mangrove cover on coastal erosion during a hurricane in Texas, USA. *Ecology*, 102(4), 1–8. <https://doi.org/10.1002/ecy.3309>
- Poedjirahajoe, E. (2019). *Ekosistem Mangrove : Karakteristik, Fungsi dan Dinamikanya*.
- Pramono, J. (2020). Implementasi dan Evaluasi Kebijakan Publik. In *Kebijakan Publik*.
- Putri, M. A., Lestari, F., & Kurniawan, D. (2021). Tingkat Regenerasi Ekosistem Mangrove Berdasarkan Kerapatan Seedling, Sapling Dan Pohon Di Perairan Sei Jang Kota Tanjungpinang. *Barakuda 45: Jurnal Ilmu Perikanan Dan Kelautan*, 3(1), 1–8. <https://doi.org/10.47685/barakuda45.v3i1.115>
- Putri Zandiba Siregar, Ahmad Perwira Mulia, G. C. R. H. (2023). *Faktor Kerentanan Banjir Rob Kecamatan Medan Belawan Kota Medan*. 4(10), 1806–1821.
- Rakusa, H., & Somae, G. (2018). Analisis Spasial Kesesuaian dan Evakuasi Lahan Permukiman di Kota Ambon. *Jurnal Sains Informasi Geografi [JSIG]*,

- I(November), 40–43. <https://doi.org/10.31314/j>
- Read, R. (2010). Trade, economic vulnerability, resilience and the implications of climate change in small island and littoral developing economies. *Issue Paper* 12, 12, 46–3.
- Rizal, A., Andriani, Y., & Kusumartono, F. X. (2019). A Strategic Environmental Assessment for Southern Coastal of West Java Province, Indonesia. *World Scientific News*, 137(October), 188–209. <http://psjd.icm.edu.pl/psjd/element/bwmeta1.element.psjd-1d6caa28-19bc-4db4-88f8-5b7d228ba27e>
- Rizaldi, H., Lestari, F., & Susiana, S. (2020). Tingkat kerusakan ekosistem mangrove di Kawasan Estuari Sei Jang Kecamatan Bukit Bestari Kota Tanjungpinang, Kepulauan Riau, Indonesia. *Akuatikisle: Jurnal Akuakultur, Pesisir Dan Pulau-Pulau Kecil*, 4(2), 47. <https://doi.org/10.29239/j.akuatikisle.4.2.47-51>
- Saunders, F., Gilek, M., Ikauniece, A., Tafon, R. V., Gee, K., & Zaucha, J. (2020). Theorizing social sustainability and justice in marine spatial planning: Democracy, diversity, and equity. *Sustainability (Switzerland)*, 12(6), 1–18. <https://doi.org/10.3390/su12062560>
- Soemarwoto, O. (1983). *Ekologi Lingkungan Hidup dan Pembangunan*.
- Sudarto, S., & Novit, A. (2021). Pengaturan Pengelolaan Wilayah Pesisir Dan Pulaupulau Kecil Yang Integratif Dan Partisipatif. *Prosiding Seminar Hukum Dan Publikasi ...*, 128–145. <https://prosiding.fh.ubb.ac.id/index.php/prosiding-serumpun/article/view/116%0Ahttps://prosiding.fh.ubb.ac.id/index.php/prosiding-serumpun/article/download/116/97>
- Sugiyono. (2015). *Metode Penelitian Pendidikan (Pendekatan Kuantitatif, Kualitatif, dan RD)*. <https://doi.org/10.1103/PhysRev.47.506>
- Sujantoko, S., Pratikto, W. A., Prastianto, R. W., Maulana, M. I., & Vibriyanti, A. (2022). Study of Changes in Coastal Morphology Due to Utilization of the Surabaya City Coastal Area. *International Journal of Marine Engineering Innovation and Research*, 7(1), 26–32. <https://doi.org/10.12962/j25481479.v7i1.12029>
- Suryanti, A., Haryati, D., & Rehendra, P. (2023). *Pengelolaan Mangrove Berkelanjutan : Konsep, Realitas, dan Inisiasi Perdes*. Pustaka Aksara.
- Suryono, A. (2013). *Sukses Usaha Pembibitan Mangrove Sang Penyelamat Pulau*.
- Sutran, S., Suryanti, A., & Zulfikar, A. (2023). *Indeks Antropogenik Mangrove di Kota Tanjungpinang , Provinsi Kepulauan Riau*. 7(1), 44–51.
- Tri, I. M., Mulyani, H., Listiati, E. E., Susanti, B. T., & Suwarno, D. (2017). Evaluation of Home Sanitation System in Tidal Areas , A Case Study of Kemijen Village, Semarang, Indonesia. *International Journal of Scientific and Research Publications*, 7(11), 208–218. www.ijsrp.org
- Valcárcel-Aguiar, B., Murias, P., & Vecino-Aguirre, A. (2022). Liveability Versus Sustainability in Spanish Cities: First Evidences Using Synthetic Indicators. *Applied Research in Quality of Life*, 17(4), 1935–1960. <https://doi.org/10.1007/s11482-021-10005-z>
- Vergílio, M. H. de S., & Calado, H. M. G. P. (2016). Spatial planning in small islands: the need to discuss the concept of ecological structure. *Planning Practice and Research*, 31(4), 452–471.

- <https://doi.org/10.1080/02697459.2016.1178054>
- Wahyudi, A. J. (2017). *Menyerap Karbon : Layanan Ekosistem Pesisir untuk Mitigasi Perubahan Iklim*. Gadjah Mada University Press.
- Wahyudin, Y., Mahipal, & Lesmana, D. (2022). Faktor-Faktor Yang Mempengaruhi Indikator Penentuan Kelayakan Dan Kesesuaian Lokasi Pembangunan Pulau Kecil Berbasis Sistem Sosial-Ekologi. *Jurnal Mina Sains*, 8(2). <https://doi.org/10.30997/jmss.v8i2.7021>
- Wannewitz, M., & Garschagen, M. (2021). Review article: Mapping the adaptation solution space - lessons from Jakarta. *Natural Hazards and Earth System Sciences*, 21(11), 3285–3322. <https://doi.org/10.5194/nhess-21-3285-2021>
- Ward, P. J., Marfai, M. A., Yulianto, F., Hizbaron, D. R., & Aerts, J. C. J. H. (2011). Coastal inundation and damage exposure estimation: A case study for Jakarta. *Natural Hazards*, 56(3), 899–916. <https://doi.org/10.1007/s11069-010-9599-1>
- Warman, Komariyah, L., & Kaltsum KFU. (2023). Konsep Umum Evaluasi Kebijakan. *Jurnal Ilmu Manajemen Dan Pendidikan*, 3(1), 25–32.
- Wolff, C., Bonatz, H., & Vafeidis, A. T. (2023). Setback zones can effectively reduce exposure to sea-level rise in Europe. *Scientific Reports*, 13(1), 1–15. <https://doi.org/10.1038/s41598-023-32059-9>
- Yi, L., Ma, S., Tao, S., Zhang, J., & Wang, J. (2022). Coastal landscape pattern optimization based on the spatial distribution heterogeneity of ecological risk. *Frontiers in Marine Science*, 9(October), 1–15. <https://doi.org/10.3389/fmars.2022.1003313>
- Yin, R. K. (2014). Design and Methods, Third Edition, Applied Social Research Methods Series, Chapter 2: Vol 5. In *Sage Publications* (pp. 18–55).
- Yin, R. K. (2023). Case Study Research and Applications. In *Japan Marketing Journal* (Vol. 43, Issue 2). <https://doi.org/10.7222/marketing.2023.045>
- Young, C. E., Cunniff, S. E., & McDow, W. C. (2022). Evaluating and tracking investments in natural infrastructure to reduce coastal flooding hazards. *Sustainable and Resilient Infrastructure*, 7(5), 421–438. <https://doi.org/10.1080/23789689.2021.1920662>
- Yunus, H. S. (2016). *Metodologi Penelitian Wilayah Kontemporer*.
- Zainal, Ismail, K., & Lestari, F. (2017). *Kajian Potensi Ekosistem Mangrove Sebagai Pencadangan Kawasan Konservasi di Di Dusun Nuan Desa Matak Kabupaten Kepulauan Anambas*.
- Zakia, R., & Lestari, F. (2022). Karakteristik Ekologi Ekosistem Mangrove di Perairan Estuari Sei Carang Kota Tanjungpinang, Kepulauan Riau. *Jurnal Akuatiklestari*, 6(1), 62–68. <https://doi.org/10.31629/akuatiklestari.v6i1.5534>
- Zaky et al. (2012). Kajian Kondisi Lahan Mangrove di Desa Bedono , Kecamatan Sayung , Kabupaten. *Journal Of Marine Research*, 1(2), 88–97.
- Zhang, H., & Xiao, Y. (2020). Planning island sustainable development policy based on the theory of ecosystem services: A case study of zhoushan archipelago, east China. *Island Studies Journal*, 15(1), 237–252. <https://doi.org/10.24043/isj.105>
- Zhang, X., Lin, P., & Chen, X. (2022). Coastal Protection by Planted Mangrove Forest during Typhoon Mangkhut. *Journal of Marine Science and Engineering*, 10(9). <https://doi.org/10.3390/jmse10091288>