

- Adane, A., Abate, B., 2022. River Modeling for Flood Inundation Map Predictions Using 2D-HEC-RAS Hydraulic Modeling with Integration of GIS. *ASEAN Engineering Journal* 12, 9–15. <https://doi.org/10.11113/aej.v12.16483>
- Amalia Achyadi, M., Ohgushi, K., Morita, T., Wai Thin, S., Kawahara, W., 2019. Climate Change Impact on Irrigation Water Requirement in Bario Kuala South Kalimantan Indonesia. 38th IAHR World Congress 38, 1476–1485. <https://doi.org/10.3850/38wc092019-0878>
- Ansari, H., Istiarto, Wignyosukarto, B.S., 2023a. Hydraulic Study on The Use of Gates to Improve Drainage Performance of Dadahup Lowland Irrigation Area. *International Conference on Sustainable Environment, Agriculture and Tourism* 26, 163–171. https://doi.org/10.2991/978-94-6463-086-2_22
- Ansari, H., Istiarto, Wignyosukarto, B.S., 2023b. Enhancing of micro water management in dry season at Dadahup lowland irrigation area. *IOP Conf. Ser.: Earth and Environ. Sci.* 1168, 012047. <https://doi.org/10.1088/1755-1315/1168/1/012047>
- Arisanty, D., Hastuti, K.P., Putro, H.P.N., Abbas, E.W., Halawa, Y.A., Anwar, K., 2022. Mitigasi Banjir Berbasis Masyarakat Pada Desa Rawan Banjir Di Kabupaten Barito Kuala. *JPG (Jurnal Pendidikan Geografi)* 9. <https://doi.org/10.20527/jpg.v8i2.12604>
- Balai Wilayah Sungai Kalimantan II, 2023. Bahan Informasi Singkat DIR Katingan.
- Brunner, G.W., The U.S. Army Corps of Engineers' River Analysis System, 2023. HEC-RAS River Analysis System Hydraulic Reference Manual.
- BWS Kalimantan II, PT Supraharmonia Consultindo, 2017. Laporan Akhir DED Peningkatan Jaringan Daerah Irigasi Rawa Katingan I, Kabupaten Katingan.
- C.D. Soemarto, 1999. *Hidrologi Teknik*, 2 ed. Erlangga, Jakarta.
- Dennis, E.S., Dolferus, R., Ellis, M., Rahman, M., Wu, Y., Hoeren, F.U., Grover, A., Ismond, K.P., Good, A.G., Peacock, W.J., 2000. Molecular Strategies for Improving Waterlogging Tolerance in Plants. *J Exp Bot* 51, 89–97.
- Denny Susanto, 2023. Cuaca Buruk Berlanjut Pertanian Lahan Rawa di Kalsel Terancam [WWW Document]. *Media Indonesia Electronic Newspaper*. URL <https://mediaindonesia.com/nusantara/565593/cuaca-buruk-berlanjut-pertanian-lahan-rawa-di-kalsel-terancam> (diakses 1.8.24).
- Direktorat Irigasi dan Rawa, 2019. *Kebijakan Pengembangan Rawa dan Tata Kelola Air*.
- Fauzan, A.K., Wignyosukarto, B.S., Jayadi, R., 2021. Water Management Evaluation for Upgrading Tidal Irrigation System, Katingan, Kalimantan. *IOP Conf. Ser.: Earth Environ. Sci.* 794, 012040. <https://doi.org/10.1088/1755-1315/794/1/012040>
- Firstyadi, A.D.F., Wignyosukarto, B.S., Istiarto, Purboseno, S., 2021. Post Reclamation of Acid Sulphate Soil Due to Extended Tidal Irrigation Area in Palingkau, Central Kalimantan, Indonesia. *IOP Conf. Ser.: Earth Environ. Sci.* 930. <https://doi.org/10.1088/1755-1315/930/1/012017>
- Hanh, P.T.T., Furukawa, M., 2007. Impact of Sea Level Rise on Coastal Zone of Vietnam. *Bull. Fac. Sci, Univ. Ryukyus*, No.84 84, 45.
- Herawati, H., Yulianto, E., Azmeri, 2020. Pengaruh Hidrotopografi dan Peruntukan Lahan Terhadap Saluran Tersier Daerah Rawa Pinang Dalam. *JURNAL SAINTIS* 20, 1–10. [https://doi.org/10.25299/saintis.2020.vol20\(01\).4698](https://doi.org/10.25299/saintis.2020.vol20(01).4698)
- Houterman, J., Ritzema, H., 2009. *Land and Water Management in The Ex-Mega Rice Project Area in Central Kalimantan*.

- Islam, A., Kumar Shitangsu, P., Hassan, Z., 2015. Agricultural Vulnerability in Bangladesh to Climate Change Induced Sea Level Rise and Options for Adaptation: A Study of a Coastal Upazila. *Journal of Agriculture and Environment for International Development-JAEID* 109, 19–39. <https://doi.org/10.12895/jaeid.20151.218>
- Jackson, M.B., Ram, P.C., 2003. Physiological and molecular basis of susceptibility and tolerance of rice plants to complete submergence. *Ann Bot* 91, 227–241. <https://doi.org/10.1093/aob/mcf242>
- Kementerian Pekerjaan Umum dan Perumahan Rakyat, 2015a. Permen PUPR No. 14 Tahun 2015 tentang Kriteria dan Penetapan Status Daerah Irigasi. Indonesia.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat, 2015b. Permen PUPR No. 11 Tahun 2015 tentang Eksploitasi dan Pemeliharaan Jaringan Reklamasi Rawa Pasang Surut, JDIH Kementerian PUPR.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat, 2015c. Permen PUPR No. 29 Tahun 2015 tentang Rawa, JDIH Kementerian PUPR. Indonesia.
- Kementerian Pekerjaan Umum Direktorat Jenderal Sumber Daya Air Direktorat Irigasi dan Rawa, 2013. Standar Perencanaan Irigasi, Kriteria Perencanaan Bagian Saluran (KP-03).
- Khairullah, I., Alwi, M., Annisa, W., Mawardi, 2021. The fluctuation of rice production of tidal swampland on climate change condition (Case of South Kalimantan Province in Indonesia), dalam: *The 5th International Conference on Climate Change 2020*. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/724/1/012009>
- Malhi, G.S., Kaur, M., Kaushik, P., 2021. Impact of Climate Change on Agriculture and its Mitigation Strategies: A Review. *Sustainability (Switzerland)* 13, 1318. <https://doi.org/10.3390/su13031318>
- Marfai, M.A., 2014. Impact of sea level rise to coastal ecology: A case study on the northern part of java island, indonesia. *Quaestiones Geographicae* 33, 107–114. <https://doi.org/10.2478/quageo-2014-0008>
- Measey, M., 2010. Indonesia: A Vulnerable Country in the Face of Climate Change. *Global Majority E-Journal* 1, 31–45.
- Ministry of National Development Planning, 2010. ICCSR-Scientific Basis: Analysis and Projection of Sea Level Rise and Extreme Weather Events. Jakarta.
- Noor, H., Suhardjono, Prayogo, T.B., 2018. Evaluasi dan Pengembangan Jaringan Irigasi Rawa Pasang Surut Terhadap Pola Operasi Pintu Air D.I.R Pematang Limau Kabupaten Seruyan. *Jurnal Teknik Pengairan* 9, 12–28.
- Open Street Map, 2023. Peta Dasar Katingan dari OSM Humanitarian Data Model.
- Pirngadi, R.S., Rahmawaty, 2022. The impact of flooding on rice production in the Krueng Kluet Watershed, Aceh Province, Indonesia, dalam: *The 5th International Conference on Agriculture, Environment, and Food Security*. IOP Publishing. <https://doi.org/10.1088/1755-1315/977/1/012113>
- Pusat Pendidikan dan Pelatihan Sumber Daya Air dan Konstruksi, Kementerian PUPR, 2016. Perhitungan Saluran dan Drainase, Diklat Teknis Perencanaan Irigasi, Tingkat Dasar (Modul 7). Bandung.
- QGIS Versi 3.28.0, 2023. Peta Dasar Open Street Map Humanitarian Data Model.
- Quang Toan, T., Duc Thang, T., 2012. Flood and Tidal Inundation in The Context of Climate Change and Sea Water Level Rise and Proposed Adaptation Measures in The Mekong Delta, dalam: *International Workshop on Sustainable Management of Lowland for Rice Production*. Banjarmasin, hlm. 27–38.
- Rahajeng, F.S.S., Jayadi, R., Maas, A., 2021. The Preliminary Study for Increasing the Productivity of Unit Tamban Lowland Irrigation Area based on Fact Findings of

- Rahmadi, 2009. Effects of Climate Change and Land Subsidence on Water Management Zoning in Tidal Lowlands Case Study Telang I, South Sumatra. UNESCO-IHE & Sriwijaya University, Palembang.
- Ratmini, N.P.S., Herwenita, 2021. The characteristics of swampland rice farming in South Sumatra: Local wisdom for climate change mitigation, dalam: The 5th International Conference on Climate Change 2020. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/724/1/012033>
- Revina, S., Istiarto, Pratiwi, E.P.A., 2023. Evaluation of Irrigation Network Performance at the Anjir Serapat Lowland Irrigation Area Central Kalimantan. IOP Conf. Ser.: Earth Environ. Sci. 1168, 012049. <https://doi.org/10.1088/1755-1315/1168/1/012049>
- Santhiawan, P., Suwardike, D.P., 2019. Adaptasi Padi Sawah (*Oryza Sativa* L.) Terhadap Peningkatan Kelebihan Air Sebagai Dampak Pemanasan Global. *Agricultural Journal* 2, 130–144.
- Sarwani, M., 2023. Sawah Rawa Pasang Surut [WWW Document]. Electronic Newspaper Kompas Indonesia. URL <https://money.kompas.com/read/2023/04/17/154441526/sawah-rawa-pasang-surut?page=5> (diakses 5.17.23).
- Schneider, P., Asch, F., 2020. Rice production and food security in Asian Mega deltas—A review on characteristics, vulnerabilities and agricultural adaptation options to cope with climate change. *J Agron Crop Sci* 206, 491–503. <https://doi.org/10.1111/jac.12415>
- Schultz, B., 2012. Opportunities and Uniqueness of Suitable Lowland Bio-Physics for Sustainable Rice Production, dalam: International Workshop on Sustainable Management of Lowland for Rice Production. Banjarmasin, hlm. 13–26.
- Secretariat of the United Nations Framework Convention on Climate Change, t.t. Vulnerability and Adaptation to Climate Change in Small Island Developing States.
- Sipayung, S.B., Nurlatifah, A., Siswanto, B., Slamet, L.S., 2018. Analysis of Climate Change Impact on Rainfall Pattern of Sambas District, West Kalimantan. IOP Conf. Ser.: Earth Environ. Sci. 149, 012029. <https://doi.org/10.1088/1755-1315/149/1/012029>
- Suciantini, Imprun, Boer, R., 2008. Penilaian Resiko Iklim Pada Sitem Pertanian Ekosistem Lahan Rawa Pasang Surut (Studi kasus di Delta Telang I, Delta Telang II dan Delta Air Saleh, Banyuasin, Sumatera Selatan) (Climate Risk Assesment on Agricultural System in Swamp Areas (case Study in Delta Telang I, Delta Telang II and Delta Air Saleh, Banyuasin, South Sumatera)). *Jurnal Agromet* 22, 118–131.
- Suryadi, F.X., 1996. Soil and Water Management Strategies for Tidal Lowlands in Indonesia (Dissertation). IHE Delft, Rotterdam.
- Suwignyo, R.A., 2007. Ketahanan Tanaman Padi Terhadap Kondisi Terendam: Pemahaman Terhadap Karakter Fisiologis Untuk Mendapatkan Kultivar Padi yang Toleran di Lahan Rawa Lebak. Kongres Ilmu Pengetahuan Wilayah Indonesia Bagian Barat B.7 1-B.7 7.
- Syaikat, Y., 2011. The Impact of Climate Change on Food Production and Security and its Adaptation Programs in Indonesia. *J. ISSAAS* 17, 40–51.
- Sylvia, R.A.M., 2009. Options for Water Management and Flood Protection of Agropolitan Gandus for Agricultural Development. Options for Water Management and Flood Protection of Agropolitan Gandus for Agricultural Development.
- Wahyudi, S.I., 2010. Perbandingan Penanganan Banjir Rob di La Briere (Prancis), Rotterdam (Belanda) dan Persfektif di Semarang (Indonesia). *Riptek* 4, 29–35.
- Wignyosukarto, B.S., 2013. Leaching and Flushing of Acidity in the Reclamation of Acid Sulphate Soil, Kalimantan, Indonesia. *Irrigation and Drainage* 62, 75–81. <https://doi.org/10.1002/ird.1777>

- Wijaya, N., 2016. Coastal Community's Responses to Water Infrastructure Under Climate-Related Disaster in Semarang City, Indonesia. *ASEAN Engineering Journal* 5, 14.
- World Bank, 2023. Historical Sea Level for Coastal Indonesia (1993-2015) [WWW Document]. Climate Change Knowledge Portal. URL <https://climateknowledgeportal.worldbank.org/country/indonesia/impacts-sea-level-rise> (diakses 5.17.23).
- Zay, I.S., Triatmodjo, B., Maas, A., 2023. Study of Reservoir Effect on Water Dynamics in the Main Channel of Belanti I Lowland Irrigation Area. *Proceedings of the International Conference on Sustainable Environment, Agriculture and Tourism (ICOSEAT 2022)* 26. https://doi.org/10.2991/978-94-6463-086-2_27
- Zevri, A., Rahardjo, A.P., Legono, D., 2022. Swamp Water Parameter Dynamics Induced by Rainfall and Tides in Dadahup Irrigation Area, Kalimantan, dalam: *IOP Conference Series: Earth and Environmental Science*. Institute of Physics. <https://doi.org/10.1088/1755-1315/1105/1/012013>