UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Abbass, K., Qasim, M. Z., Song, H., Murshed, M., Mahmood, H., & Younis, I. (2022). A review of the global climate change impacts, adaptation, and sustainable mitigation measures. *Environmental Science and Pollution Research*, *29*(28), 42539–42559. https://doi.org/10.1007/s11356-022-19718-6

Abdullah, I. A., Danardono, & Hadibasyir, H. Z. (2023). *The Dynamics of Changes in the Coastline of the Sayung Coastal Community in Demak Regency Using Remote Sensing Imagery* (pp. 436–449). https://doi.org/10.2991/978-2-38476-066-4_28

Abijith, D., Saravanan, S., & Sundar, P. K. S. (2023). Coastal vulnerability assessment for the coast of Tamil Nadu, India—a geospatial approach. *Environmental Science and Pollution Research*, *30*(30), 75610–75628. https://doi.org/10.1007/s11356-023-27686-8

Adedeji, O., Reuben, O., & Olatoye, O. (2014). Global Climate Change. *Journal of Geoscience and Environment Protection*, *02*(02), 114–122. https://doi.org/10.4236/gep.2014.22016

Adjaison, D., & Amoah, A.-B. (2024). Assessing Accra's Climate Action Plan as a case of vertical integration to achieve sustainable development. *Environment, Development and Sustainability*. https://doi.org/10.1007/s10668-024-05341-7

Afifah, S., & Hizbaron, D. R. (2020). Vulnerability assessment of residential buildings to tidal flood hazards in Sriwulan Village, Sayung District, Demak Regency. *E3S Web of Conferences*, *200*. https://doi.org/10.1051/e3sconf/202020001008

Akbar, S., Noviyanti, E., Khadijah, U. L. S., & Deinaputra, R. D. (2021). Community Empowerment in the Context of Sustainable Tourism Development in Surodadi Village. *JPPM (Jurnal Pendidikan Dan Pemberdayaan Masyarakat)*, *8*(2), 131–146. https://doi.org/10.21831/jppm.v8i2.39164

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Andhika, L. R. (2019). Pemodelan Kebijakan Publik: Tinjauan dan Analisis Untuk Risalah Kebijakan Pemerintah. *Jurnal Riset Pembangunan*, *2*(1), 22–35.

Andreas, H., Pradipta, D., Abidin, H. Z., & Sarsito, D. A. (2017). Early pictures of global climate change impact to the coastal area (north west of demak central Java Indonesia). *AIP Conference Proceedings*, *1857*. https://doi.org/10.1063/1.4987101

Andreas, H., Usriyah, Abidin, H. Z., & Sarsito, D. A. (2017). Tidal inundation ("Rob") investigation using time series of high resolution satellite image data and from institu measurements along northern coast of Java (Pantura). *IOP Conference Series: Earth and Environmental Science*, *71*(1). https://doi.org/10.1088/1755-1315/71/1/012005

Ardiyanto, A., & Putrideta, A. D. (2024). Perubahan Struktur Rumah Terdampak Rob di Dusun Morosari, Desa Bedono, Kecamatan Sayung, Demak. *Praxis : Jurnal Sains, Teknologi, Masyarakat Dan Jejaring*, *6*(2), 99–108. https://doi.org/10.24167/praxis.v6i2.11921

Ariyaningsih, Sukmara, R. B., Bachtiar, R., Iriansyah, A. A., & Shaw, R. (2025). Disaster Law in Indonesia. In *Disaster Law: Implications to Governance and Implementation* (pp. 183–205). https://doi.org/10.1007/978-981-97-7374-9_12

Armono, H. D., Bromo, B. H., Sholihin, & Sujantoko. (2021). Numerical Study of Bamboo Breakwater for Wave Reduction. *Fluids*, *7*(1), 14. https://doi.org/10.3390/fluids7010014

Arnall, A. (2019). Resettlement as climate change adaptation: what can be learned from state-led relocation in rural Africa and Asia? *Climate and Development*, *11*(3), 253–263. https://doi.org/10.1080/17565529.2018.1442799

Asrofi, A., Giyarsih, S. R., & Hadmoko, D. S. (2024). The Impact of Tidal Floods on Poor Households in the Sayung Coast, Demak Regency, Indonesia. *Indonesian Journal of Geography*, *56*(3). https://doi.org/10.22146/ijg.94063

Asrofi, A., Ritohardoyo, S., & Hadmoko, D. S. (2017). Strategi Adaptasi Masyarakat Pesisir Dalam Penanganan Bencana Banjir Rob Dan Implikasinya Terhadap Ketahanan Wilayah (Studi Di Desa Bedono Kecamatan Sayung

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kabupaten Demak Jawa Tengah). *Jurnal Ketahanan Nasional*, *23*(2), 1. https://doi.org/10.22146/jkn.26257

Ayasy, M. F., Helmi, M., Zainuri, M., Kunarso, K., & Rochaddi, B. (2023). The Impact and Prediction of Shoreline Dynamics in Pekalongan, Indonesia. *Buletin Oseanografi Marina*, *12*(3), 433–446. https://doi.org/10.14710/buloma.v12i3.51455

Azevedo de Almeida, B., & Mostafavi, A. (2016). Resilience of Infrastructure Systems to Sea-Level Rise in Coastal Areas: Impacts, Adaptation Measures, and Implementation Challenges. *Sustainability*, *8*(11), 1115. https://doi.org/10.3390/su8111115

Azuga, N. A. (2021). Kerentanan Kawasan Pesisir Terhadap Bencana Kenaikan Muka Air Laut (Sea Level Rise) di Indonesia. *Jurnal Riset Kelautan Tropis (Journal Of Tropical Marine Research) (J-Tropimar)*, *3*(2). https://doi.org/10.30649/jrkt.v3i2.41

Bappelitbangda Demak. (2020). *Feasibility Study: Rencana Pembangunan Jalan Sabuk Pantai Sayung-Karangtengah-Bonang-Wedung*.

BAPPELITBANGDA Demak. (2024). *Laporan Akhir Rencana Aksi Adaptasi Perubahan Iklim Kabupaten Demak*.

Berbés-Blázquez, M., Mitchell, C. L., Burch, S. L., & Wandel, J. (2017). Understanding climate change and resilience: assessing strengths and opportunities for adaptation in the Global South. *Climatic Change*, *141*(2), 227–241. https://doi.org/10.1007/s10584-017-1897-0

Bhowmik, J., Irfanullah, H. Md., & Selim, S. A. (2021). Empirical evidence from Bangladesh of assessing climate hazard-related loss and damage and state of adaptive capacity to address them. *Climate Risk Management*, *31*, 100273. https://doi.org/10.1016/j.crm.2021.100273

BNPB. (2013, October 11). *Tantangan Integrasi PRB dengan API*. https://bnpb.go.id/berita/tantangan-integrasi-prb-dengan-api

Boak, E. H., & Turner, I. L. (2005). Shoreline Definition and Detection: A Review. *Journal of Coastal Research*, *214*, 688–703. https://doi.org/10.2112/03-0071.1

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

BPS Demak. (2018). *Kabupaten Demak Dalam Angka 2018*.

BPS Demak. (2022). *Kabupaten Demak Dalam Angka 2022*.

BPS Kabupaten Demak. (2024). *Kabupaten Demak Dalam Angka 2024*.

Bricker, J. (2025). A case for elevating coastal roads based on experiences from Hurricane Katrina and the Tohoku Tsunami. *Journal of Coastal and Riverine Flood Risk*, *4*. https://doi.org/10.59490/jcrfr.2025.0021

Brooks, N., & Adger, W. N. (2005). Assessing and Enhancing Adaptive Capacity. In B. Lim & E. Spanger-Siegfried (Eds.), *Adaptation Policy Frameworks for Climate Change: Developing Strategies, Policies and Measures* (pp. 165–181). Cambidge University Press.

Calvin, K., Dasgupta, D., Krinner, G., Mukherji, A., Thorne, P. W., Trisos, C., Romero, J., Aldunce, P., Barrett, K., Blanco, G., Cheung, W. W. L., Connors, S., Denton, F., Diongue-Niang, A., Dodman, D., Garschagen, M., Geden, O., Hayward, B., Jones, C., … Ha, M. (2023). *Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* (P. Arias, M. Bustamante, I. Elgizouli, G. Flato, M. Howden, C. Méndez-Vallejo, J. J. Pereira, R. Pichs-Madruga, S. K. Rose, Y. Saheb, R. Sánchez Rodríguez, D. Ürge-Vorsatz, C. Xiao, N. Yassaa, J. Romero, J. Kim, E. F. Haites, Y. Jung, R. Stavins, … C. Péan, Eds.). https://doi.org/10.59327/IPCC/AR6-9789291691647

Castro, B., & Kuntz, C. (2022). Land Tenure Insecurity and Climate Adaptation: Socio-Environmental Realities in Colombia and Implications for Integrated Environmental Rights and Participatory Policy. In *Land Tenure Security and Sustainable Development* (pp. 177–199). Springer International Publishing. https://doi.org/10.1007/978-3-030-81881-4_9

Charoenchai, O., & Bhaktikul, K. (2020). Structural Durability Assessment of Stilt Houses to Flash Flooding: Case Study of Flash Flood-Affected Sites in Thailand. *Environment and Natural Resources Journal*, *18*(1), 85–100. https://doi.org/10.32526/ennrj.18.1.2020.09

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Chater, N. (2022). What is the point of behavioural public policy? A contractarian approach. *Behavioural Public Policy*, 1–15. https://doi.org/10.1017/bpp.2022.2

Congalton, R. G., & Green, K. (2019). *Assessing the Accuracy of Remotely Sensed Data*. CRC Press. https://doi.org/10.1201/9780429052729

Copernicus. (2022, February). *Climate Indicator Sea Level*. Copernicus Climate Change Service. https://climate.copernicus.eu/climate-indicators/sea-level

Creswell, J. W. (1999). Mixed-Method Research: Introduction and Application. In *Handbook of Educational Policy* (pp. 455–472). Elsevier. https://doi.org/10.1016/B978-012174698-8/50045-X

Creswell, J. W., & Clark, V. L. P. (2011). *Designing and Conducting Mixed Methods Research* (2nd Edition). SAGE.

Creswell, J. W., & Poth, C. N. (2017). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches* (4th ed.). SAGE Publications.

Crowell, M., Leatherman, S. P., & Buckley, M. K. (1993). Shoreline change rate analysis: long term versus short term data. *Shore and Beach*, *61*(2), 13–20.

Damaywanti, K. (2013). Dampak Abrasi Pantai Terhadap Lingkungan Sosial (Studi Kasus di Desa Bedono, Sayung Demak). *Prosiding Seminar Nasional Pengelolaan Sumberdaya Alam Dan Lingkungan*.

Dannevig, H., Keskitalo, E. C. H., Nikitina, E., & Tennberg, M. (2017). Adaptation Options. In *Adaptation Actions for a Changing Arctic: Perspectives from the Barents Area*. Arctic Monitoring and Assessment Programme (AMAP),.

Daud, M., Junus, M., Darma, A. S., & Sainuddin, S. (2017). Deteriorasi Kayu Pada Bangunan Rumah Terapung dan Rumah Panggung Tradisional Suku Bugis di Danau Tempe Kabupaten Wajo. *Jurnal Matoa*.

Depoux, A., Hémono, M., Puig-Malet, S., Pédron, R., & Flahault, A. (2017). Communicating climate change and health in the media. *Public Health Reviews*, *38*(1), 7. https://doi.org/10.1186/s40985-016-0044-1

Desmon, S. A. (2025). Analysis of Adaptive Behavior of Coastal Communities in Facing Climate Change Through Case Studies in the North Coast of Java.

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Journal of Sumatera Sociological Indicators, *4*(1), 368–375. https://doi.org/10.32734/jssi.v4i1.20637

DINPUTARU Demak. (2023). *Laporan Akhir Masterplan Penanganan dan Pengendalian Banjir dan Rob pada Kawasan Pesisir Kecamatan Sayung*.

DKP RI. (2005). *Pedoman Mitigasi Bencana Alam di Wilayah Pesisir dan Pulau-Pulau Kecil* (Edisi Revisi). Direktorat Jenderal Pesisir dan Pulau Pulau Kecil, Departemen Kelautan dan Perikanan. http://dkp.go.id

Dolan, R., Hayden, B. P., May, P., & May, S. K. (1980). The reliability of shoreline change measurements from aerial photographs. *Shore and Beach*, *48*(4), 22–29.

Doyle, L., Brady, A.-M., & Byrne, G. (2009). An overview of mixed methods research. *Journal of Research in Nursing*, *14*(2), 175–185. https://doi.org/10.1177/1744987108093962

Dunn, W. N. (2018). *Public Policy Analysis An Integrated Apporach* (Sixth Edition). Routledge.

Dye, S. R., Hughes, S. L., Tinker, J., Berry, D. I., Holliday, N. P., Kent, E. C., Kennington, K., Inall, M., Smyth, T., Nolan, G., Lyons, K., Andres, O., & Beszczynska-Moller, A. (2013). Impacts of climate change on temperature (air and sea). *MCCIP Science Review* , 1–12. https://doi.org/10.14465/2013.arc01.001-012

Dye, T. (2013). *Understanding Public Policy*. Pearson.

Emran, A., Rob, Md. A., Kabir, Md. H., & Islam, Md. N. (2016). Modeling spatio-temporal shoreline and areal dynamics of coastal island using geospatial technique. *Modeling Earth Systems and Environment*, *2*(1), 4. https://doi.org/10.1007/s40808-015-0060-z

Engle, N. L. (2011). Adaptive capacity and its assessment. *Global Environmental Change*, *21*(2), 647–656. https://doi.org/10.1016/j.gloenvcha.2011.01.019

Ensor, J. E., Park, S. E., Attwood, S. J., Kaminski, A. M., & Johnson, J. E. (2018). Can community-based adaptation increase resilience? *Climate and Development*, *10*(2), 134–151. https://doi.org/10.1080/17565529.2016.1223595

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Esmail, M., Mahmod, W. E., & Fath, H. (2019). Assessment and prediction of shoreline change using multi-temporal satellite images and statistics: Case study of Damietta coast, Egypt. *Applied Ocean Research*, *82*, 274–282. https://doi.org/10.1016/j.apor.2018.11.009

Farida, A. N., & Danardono. (2025). Analysis of Coastline Changeson The Wedung Coast Demak District Using Multi Temporal Satellite Imagery 2019 - 2024. *IOP Conference Series: Earth and Environmental Science*, *1503*(1), 012018. https://doi.org/10.1088/1755-1315/1503/1/012018

Fenoglio-Marc, L., Schöne, T., Illigner, J., Becker, M., Manurung, P., & Khafid. (2012). Sea Level Change and Vertical Motion from Satellite Altimetry, Tide Gauges and GPS in the Indonesian Region. *Marine Geodesy*, *35*(sup1), 137–150. https://doi.org/10.1080/01490419.2012.718682

Fidelman, P., Van Tuyen, T., Nong, K., & Nursey-Bray, M. (2017). The institutions-adaptive capacity nexus: Insights from coastal resources co-management in Cambodia and Vietnam. *Environmental Science & Policy*, *76*, 103–112. https://doi.org/10.1016/j.envsci.2017.06.018

Fitriyani, N., Iasya, S., & Adinda, F. (2022). Pengembangan Pariwisata Dusun Bedono dan Dusun Morosari Kabupaten Demak Melalui Pendekatan Analisis SWOT. *Altasia Jurnal Pariwisata Indonesia*, *4*(2), 72. https://doi.org/10.37253/altasia.v4i2.6790

Fujii, T. (2016). *Climate Change and Vulnerability to Poverty: An Empirical Investigation in Rural Indonesia*. https://www.adb.org/publications/climate-change-vulnerability-poverty-indonesia

Furness, E., & Nelson, H. (2016). Are human values and community participation key to climate adaptation? The case of community forest organisations in British Columbia. *Climatic Change*, *135*(2), 243–259. https://doi.org/10.1007/s10584-015-1564-2

Gören, H. (2022). Adapting to Climate Change: Adaptation Options and Forms. In *The Academic Language of Climate Change: An Introduction for Students and Non-native Speakers* (pp. 35–41). Emerald Publishing Limited. https://doi.org/10.1108/978-1-80382-911-120221006

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Gornitz, V. (1990). Vulnerability of the East Coast, USA to future sea level rise. *Journal of Coastal Research*, 201–237.

Gornitz, V. M., & White, T. W. (1992). *A coastal hazards data base for US East Coast*.

Guest, G., & Fleming, P. (2015). Mixed Methods Research. In *Public Health Research Methods* (pp. 581–614). SAGE Publications, Inc. https://doi.org/10.4135/9781483398839.n19

Gupta, J., Termeer, C., Klostermann, J., Meijerink, S., van den Brink, M., Jong, P., Nooteboom, S., & Bergsma, E. (2010). The Adaptive Capacity Wheel: a method to assess the inherent characteristics of institutions to enable the adaptive capacity of society. *Environmental Science & Policy*, *13*(6), 459–471. https://doi.org/10.1016/j.envsci.2010.05.006

Hakim, F. L., Osawa, T., & Sandi Adnyana, I. W. (2021). Shoreline Change Analysis Using Digital Shoreline Analysis System Method In Southeast Bali Island. *ECOTROPHIC : Jurnal Ilmu Lingkungan (Journal of Environmental Science)*, *15*(1), 61. https://doi.org/10.24843/EJES.2021.v15.i01.p06

Haloho, E. H., & Purnaweni, H. (2020). Adaptasi Masyarakat Desa Bedono Terhadap Banjir Rob di Kecamatan Sayung, Kabupaten Demak, Jawa Tengah. *Journal of Public Policy and Management Review*, *9*(4).

Hamdani, R. S., Hadi, S. P., & Rudiarto, I. (2022). Housing challenges in sinking coastal city: rethinking urban housing in subsidence area for a more resilient community. *IOP Conference Series: Earth and Environmental Science*, *1007*(1), 012017. https://doi.org/10.1088/1755-1315/1007/1/012017

Handayani, S., Adrianto, L., Nurjaya, I. W., Bengen, D. G., & Wardiatno, Y. (2021). Strategies for optimizing mangrove ecosystem management in the rehabilitation area of Sayung coastal zone, Demak Regency, Central Java. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan (Journal of Natural Resources and Environmental Management)*, *11*(3), 387–396. https://doi.org/10.29244/jpsl.11.3.387-396

Hastuti, A. W., Nagai, M., & Suniada, K. I. (2022). Coastal Vulnerability Assessment of Bali Province, Indonesia Using Remote Sensing and GIS

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Approaches. *Remote Sensing*, *14*(17), 4409. https://doi.org/10.3390/rs14174409

Heshmati, H. M. (2021). Impact of Climate Change on Life. In S. Sarvajayakesavalu & P. Charoensudjai (Eds.), *Environmental Issues and Sustainable Development*. IntechOpen. https://doi.org/10.5772/intechopen.94538

Hidayat, M. A., Susapto, & Rasidi, N. (2022). Project Planning Pembangunan Jalan Tol dan Tanggul Laut Semarang-Demak STA 0+000 - 8+550. *Jurnal Online Skripsi Manajemen Rekayasa Konstruksi*, *3*(2), 177–183.

Hidayati, D., Hizbaron, D. R., Simarmata, H. A., Purwaningsih, S. S., Surtiari, G. K. A., Suarma, U., Dalimunthe, S. A., Katherina, L. K., & Propiona, J. K. (2017). *Penilaian terhadap Rencana Aksi Nasional untuk Desain Kebijakan Inklusif Adaptasi Perubahan Iklim di Wilayah Pesisir Indoensia*. LIPI.

Hildayanti, A., & Wasilah. (2021). The Existence of Stilt Houses Post-Disaster. *IOP Conference Series: Earth and Environmental Science*, *903*(1), 012009. https://doi.org/10.1088/1755-1315/903/1/012009

Himmelstoss, E. A., Henderson, R. E., Kratzmann, M. G., & Farris, A. S. (2018). *Digital Shoreline Analysis System (DSAS) version 5.0 user guide*. https://doi.org/https://doi.org/10.3133/ofr20181179

Hogarth, J. R., & Wójcik, D. (2016). An evolutionary approach to adaptive capacity assessment: A case study of Whitehouse, Jamaica. *Journal of Rural Studies*, *43*, 248–259. https://doi.org/10.1016/j.jrurstud.2015.12.005

Hogarth, J., & Wójcik, D. (2016). An Evolutionary Approach to Adaptive Capacity Assessment: A Case Study of Soufriere, Saint Lucia. *Sustainability*, *8*(3), 228. https://doi.org/10.3390/su8030228

IFRC Disaster Law. (2022). *Disaster Recovery in Indonesia: A Legal and Policy Survey*. International Federation of Red Cross and Red Crescent Societies.

Ilham, I., & Patmasari, E. (2022). Local Wisdom "Weapon" Against Climate Change. *Sustainability and Climate Change*, *15*(5), 307–311. https://doi.org/10.1089/scc.2022.0074

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

IPCC. (2007). *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovermental Panel on Climate Change* (M. L. Parry, O. F. Canziani, E. de A. Alcaraz, A. Allali, L. Kajfez-Bogataj, G. Love, J. Stone, J. P. van Ypersele, & J. P. Palutikof, Eds.). Cambridge University Press.

IPCC. (2018). *Global Warming of 1.5°C* (V. Masson-Delmotte, P. Zhai, H.-O. Portner, D. Roberts, J. Skea, & P. R. Shukla, Eds.). Cambridge University Press. https://doi.org/10.1017/9781009157940

Irawati, E., & Widaningrum, A. (2015). Konsep dan Studi Kebijakan Publik. In *Modul Pelatihan Analisis Kebijakan*. Lembaga Administrasi Negara Republik Indonesia.

Irsadi, A., Anggoro, S., & Soeprobowati, T. R. (2020). *Mangrove conservation and its implication on community life of Bedono Village, Demak, Central Java*. 040041. https://doi.org/10.1063/5.0002627

Irsadi, A., Martuti, N. K. T., Abdullah, M., & Hadiyanti, L. N. (2022). Abrasion and Accretion Analysis in Demak, Indonesia Coastal for Mitigation and Environmental Adaptation. *Nature Environment and Pollution Technology*, *21*(2), 633–641. https://doi.org/10.46488/NEPT.2022.v21i02.022

ISDR. (2008). *Climate Change and Disaster Risk Reduction*. http://ipcc-wg1.ucar.

Iswari, M. Y., Prabowo, Y., & Yulianto, F. (2025). Rapid Assessment of Flood Inundation in Demak: A Multitemporal Analysis Using Water Indices. *IOP Conference Series: Earth and Environmental Science*, *1515*(1), 012001. https://doi.org/10.1088/1755-1315/1515/1/012001

Ivankova, N. V., Creswell, J. W., & Stick, S. L. (2006). Using Mixed-Methods Sequential Explanatory Design: From Theory to Practice. *Field Methods*, *18*(1), 3–20. https://doi.org/10.1177/1525822X05282260

Jayasekara, R. U., Jayathilaka, G. S., Siriwardana, C., Amaratunga, D., Haigh, R., Bandara, C., & Dissanayake, R. (2023). Identifying gaps in early warning mechanisms and evacuation procedures for tsunamis in Sri Lanka, with a special focus on the use of social media. *International Journal of Disaster*

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Resilience in the Built Environment, *14*(1), 1–20. https://doi.org/10.1108/IJDRBE-02-2021-0012

Joesidawati, M. I. (2017). *Studi perubahan iklim dan kerusakan sumberdaya pesisir di Kabupaten Tuban*. Institut Teknologi Sepuluh Nopember.

Jones, L., Ludi, E., Jeans, H., & Barihaihi, M. (2019). Revisiting the Local Adaptive Capacity framework: learning from the implementation of a research and programming framework in Africa. *Climate and Development*, *11*(1), 3–13. https://doi.org/10.1080/17565529.2017.1374237

Jones, L., Ludi, E., & Levine, S. (2010). *Towards a characterisation of adaptive capacity: a framework for analysing adaptive capacity at the local level*.

Joseph, V., Thornton, A., Pearson, S., & Paull, D. (2013). Occupational transitions in three coastal villages in Central Java, Indonesia, in the context of sea level rise: a case study. *Natural Hazards*, *69*(1), 675–694. https://doi.org/10.1007/s11069-013-0735-6

Kamal, U., & Gustaf, M. (2022). Environmental Impact of Semarang-Demak Toll Development. *Proceedings of the 4th International Conference on Indonesian Legal Studies, ICILS 2021, June 8-9 2021, Semarang, Indonesia*. https://doi.org/10.4108/eai.8-6-2021.2314365

Karlina, T., & Johan, W. A. (2020). Sea level rise in Indonesia: The drivers and the combined impacts from land subsidence. *ASEAN Journal on Science and Technology for Development*, *37*(3), 115–121. https://doi.org/10.29037/AJSTD.627

Kismawardhani, R. A., Wirastriya, A., & Berlianty, D. (2018). Sea Level Rise in The Java Sea Based on Altimetry Satellites Data Over 1993-2015. *IOP Conference Series: Earth and Environmental Science*, *165*, 012006. https://doi.org/10.1088/1755-1315/165/1/012006

Koroglu, A., Ranasinghe, R., Jiménez, J. A., & Dastgheib, A. (2019). Comparison of Coastal Vulnerability Index applications for Barcelona Province. *Ocean & Coastal Management*, *178*, 104799. https://doi.org/10.1016/j.ocecoaman.2019.05.001

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kreibich, H., Hudson, P., & Merz, B. (2021). Knowing What to Do Substantially Improves the Effectiveness of Flood Early Warning. *Bulletin of the American Meteorological Society*, *102*(7), E1450–E1463. https://doi.org/10.1175/BAMS-D-20-0262.1

Kuhl, L., Rahman, M. F., McCraine, S., Krause, D., Hossain, M. F., Bahadur, A. V., & Huq, S. (2021). Transformational Adaptation in the Context of Coastal Cities. *Annual Review of Environment and Resources*, *46*(1), 449–479. https://doi.org/10.1146/annurev-environ-012420-045211

Kusumowardani, E. W., Wibowo, S. S., & Zukhruf, F. (2023). Analisis Perubahan Kecepatan pada Jalan Tol Semarang-Demak Akibat Bencana Banjir Rob di Pesisir Utara Semarang. *Jurnal Teknik Sipil*, *30*(3), 491–493. https://doi.org/10.5614/jts.2023.30.3.17

Kusyanto, M., Koesmartadi, C., & Nurhayati, B. R. (2024). Kebertahanan Bangunan dengan Adaptif terhadap Lingkungan. *ATRIUM: Jurnal Arsitektur*, *9*(3), 239–248. https://doi.org/10.21460/atrium.v9i3.236

Landicho, L. D., Van, N. Le, & Ximenes, A. (2023). Determinants of the decision to adopt climate change adaptation strategies among smallholder upland farmers in Southeast Asia. *Forest and Society*, *7*(2), 200–221. https://doi.org/10.24259/fs.v7i2.22641

Lebel, L. (2013). Local knowledge and adaptation to climate change in natural resource-based societies of the Asia-Pacific. *Mitigation and Adaptation Strategies for Global Change*, *18*(7), 1057–1076. https://doi.org/10.1007/s11027-012-9407-1

Levina, E., & Tirpak, D. (2006). *Adaptation to Climate Change: Key Terms*. Organisation for Economic Co-operation and Development.

Li, W., Du, Z., Ling, F., Zhou, D., Wang, H., Gui, Y., Sun, B., & Zhang, X. (2013). A Comparison of Land Surface Water Mapping Using the Normalized Difference Water Index from TM, ETM+ and ALI. *Remote Sensing*, *5*(11), 5530–5549. https://doi.org/10.3390/rs5115530

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Mahmud, R. (2017). Understanding Institutional Theory in Public Policy. *Dynamics of Public Administration*, *34*(2), 135. https://doi.org/10.5958/0976-0733.2017.00011.6

Makondo, C. C., & Thomas, D. S. G. (2018). Climate change adaptation: Linking indigenous knowledge with western science for effective adaptation. *Environmental Science & Policy*, *88*, 83–91. https://doi.org/10.1016/j.envsci.2018.06.014

Marfai, M. A. (2011). The hazards of coastal erosion in Central Java, Indonesia: An overview. *Geografia-Malaysian Journal of Society and Space*, *7*(3), 1–9.

Marfai, M. A., Sekaranom, A. B., & Ward, P. (2015). Community responses and adaptation strategies toward flood hazard in Jakarta, Indonesia. *Natural Hazards*, *75*(2), 1127–1144. https://doi.org/10.1007/s11069-014-1365-3

Marhadi, A., Ino, L., Suraya, R. S., Janu, L., Said, T., & Gaho, R. (2024). Understanding local wisdom as specific knowledge in natural disaster mitigation: An empirical lessons in Tiworo, Indonesia. *Kasetsart Journal of Social Sciences*, *46*(4), 1–13. https://doi.org/10.34044/j.kjss.2024.45.4.31

Mayasari, V. F., Pribadi, R., & Soenardjo, N. (2021). Valuasi Ekonomi Ekosistem Mangrove di Desa Timbulsloko Kecamatan Sayung Kabupaten Demak. *Buletin Oseanografi Marina*, *10*(1), 42–50. https://doi.org/10.14710/buloma.v10i1.31359

Measey, M. (2010). Indonesia: A Vulnerable Country in the Face of Climate Change. *Global Majority E-Journal*, *1*(1), 31–45. http://unfccc.int/meetings/cop_13/items/4049txt.php

Measham, T. G., Preston, B. L., Smith, T. F., Brooke, C., Gorddard, R., Withycombe, G., & Morrison, C. (2011). Adapting to climate change through local municipal planning: barriers and challenges. *Mitigation and Adaptation Strategies for Global Change*, *16*(8), 889–909. https://doi.org/10.1007/s11027-011-9301-2

Mesfin, D., Simane, B., Belay, A., Recha, J. W., & Schmiedel, U. (2020). Assessing the Adaptive Capacity of Households to Climate Change in the Central Rift Valley of Ethiopia. *Climate*, *8*(10), 106. https://doi.org/10.3390/cli8100106

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Moreno-Serna, J., Sánchez-Chaparro, T., Purcell, W. M., Kordas, O., Lumbreras, J., Mataix, C., Stott, L., Soberón, M., & Spengler, J. D. (2024). Promoting Urban Net Zero Transitions Through Multi-Level Governance: The Intermediary Role of Systemic Collaborative Platforms. *Sustainability*, *16*(21), 9470. https://doi.org/10.3390/su16219470

Munawaroh, L., & Setyaningsih, W. (2021). Adaptasi Masyarakat Pesisir dalam Menghadapi Perubahan Garis Pantai di Pesisir Kecamatan Sayung. *Geo Image (Spatial-Ecological-Regional)*, *10*(2), 164–174.

Muskananfola, M. R., Supriharyono, & Febrianto, S. (2020). Spatio-temporal analysis of shoreline change along the coast of Sayung Demak, Indonesia using Digital Shoreline Analysis System. *Regional Studies in Marine Science*, *34*, 101060. https://doi.org/10.1016/j.rsma.2020.101060

Neelamani, S., Al-Houti, D., Al-Ragum, A., Hassan, A., Al-Saleh, & Al-Salem, K. (2022). Coastal Vulnerability Index for Kuwaiti Coast. *Journal of Engineering Research (Kuwait)*, *10*(2 B), 1–22. https://doi.org/10.36909/jer.11513

Nicholls, R. J., Wong, P. P., Burkett, V., Codignotto, J., Hay, J., McLean, R., Ragoonaden, S., Woodroffe, C. D., Abuodha, P. A. O., Arblaster, J., Brown, B., Forbes, D., Hall, J., Kovats, S., Lowe, J., Mclnnes, K., Moser, D., Rupp-Armstrong, S., & Saito, Y. (2007). *Coastal systems and low-lying areas*. https://ro.uow.edu.au/scipapershttps://ro.uow.edu.au/scipapers/164

Noble, I. R., Huq, S., Anokhin, Y. A., Carmin, J., Goudou, D., Lansigan, F. P., Osman-Elasha, B., & Villamizar, A. (2014). Adaptation Needs and Options. In *Climate Change 2014: Impacts, Adaptation, and Vulnerability* (pp. 833–868). Cambridge University Press.

Nugraha, M. R. R., & Gemilang, R. I. A. (2017). Muddy Coast Rehabilitation Using Low Crest Breakwater Filled With Geobag and Bamboo Framed in Sriwulan District Demak Regency. *Jurnal Teknik Hidraulik*, *8*(2), 71–86.

Nurhidayah, L., & McIlgorm, A. (2019). Coastal adaptation laws and the social justice of policies to address sea level rise: An Indonesian insight. *Ocean and Coastal Management*, *171*, 11–18. https://doi.org/10.1016/j.ocecoaman.2019.01.011

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Nursaniah, C., Machdar, I., Azmeri, Munir, A., Irwansyah, M., & Sawab, H. (2019). Transformation of stilt houses: a way to respond to the environment to be sustainable. *IOP Conference Series: Earth and Environmental Science*, *365*(1), 012017. https://doi.org/10.1088/1755-1315/365/1/012017

Nyadzi, E., Ajayi, O. C., & Ludwig, F. (2021). Indigenous knowledge and climate change adaptation in Africa: a systematic review. *CABI Reviews*. https://doi.org/10.1079/PAVSNNR202116029

Oktaviani, L., Rahmawati, A., & Muta Ali Khalifa. (2023). Pemetaan Kerentanan Wilayah Pesisir Terhadap Kenaikan Muka Air Laut di Kabupaten Lebak Banten. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, *15*(1), 49–63. https://doi.org/10.29244/jitkt.v15i1.43870

Olazabal, M., Chu, E., Castán Broto, V., & Patterson, J. (2021). Subaltern forms of knowledge are required to boost local adaptation. *One Earth*, *4*(6), 828–838. https://doi.org/10.1016/j.oneear.2021.05.006

Oppenheimer, M., & Anttila-Hughes, J. K. (2016). *The Science of Climate Change* (Vol. 26, Number 1). https://www.jstor.org/stable/43755228

Osilieri, P. R. G., Seoane, J. C. S., & Dias, F. F. (2020). Coastal Vulnerability Index revisited: a case study from Maricá, RJ, Brazil. *Revista Brasileira de Cartografia*, *72*(1).

Oyedotun, T. D. T. (2014). Shoreline geometry: DSAS as tool for historical trend analysis. *Geomorphological Techniques*, *3*(2.2), 1–12.

Paul, B. K., & Rashid, H. (2017). Introduction. In *Climatic Hazards in Coastal Bangladesh* (pp. 1–34). Elsevier. https://doi.org/10.1016/B978-0-12-805276-1.00001-6

Penning-Rowsell, E. (2020). Floating architecture in the landscape: climate change adaptation ideas, opportunities and challenges. *Landscape Research*, *45*(4), 395–411. https://doi.org/10.1080/01426397.2019.1694881

Pham, T. D. M., Thieken, A. H., & Bubeck, P. (2024). Community-based early warning systems in a changing climate: an empirical evaluation from coastal central Vietnam. *Climate and Development*, *16*(8), 673–684. https://doi.org/10.1080/17565529.2024.2307398

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Pinuji, S., de Vries, W. T., Rineksi, T. W., & Wahyuni, W. (2023). Is Obliterated Land Still Land? Tenure Security and Climate Change in Indonesia. *Land*, *12*(2), 478. https://doi.org/10.3390/land12020478

Pitanggi, G. T., Lestari, I. T., Darsono, S., & Salamun. (2017). Normalisasi Sungai Dolok Semarang - Demak Jawa Tengah. *Jurnal Karya Teknik Sipil*, *6*(4), 367–375.

Polk, E. (2020). Communicating Climate Change: Where Did We Go Wrong, How Can We Do Better? In *Handbook of Communication for Development and Social Change* (pp. 795–813). Springer Singapore. https://doi.org/10.1007/978-981-15-2014-3_26

Pramono, A. N., & Saputro, P. T. (2020). Efektivitas Kolam Retensi Terhadap Pengendalian Banjir (Studi Kasus: Polder Tawang Semarang). *G-SMART Jurnal Teknik Sipil Unika Soegijapranata Semarang*, *4*(2), 94–107.

Prasetyo, A., Sumarno, S., Jayaputra, A., Benedictus, M., Murni, R., Nainggolan, T., Purwasantana, D., Miftah, M., Wahab, Taruna, M. M., & Wibowo, A. M. (2024). Critical communication of disaster preparedness areas for informational strategies in disaster management in Indonesia. *Progress in Disaster Science*, *24*, 100368. https://doi.org/10.1016/j.pdisas.2024.100368

Prasetyo, Y., Bashit, N., Sasmito, B., & Setianingsih, W. (2019). Impact of Land Subsidence and Sea Level Rise Influence Shoreline Change in The Coastal Area of Demak. *IOP Conference Series: Earth and Environmental Science*, *280*(1), 012006. https://doi.org/10.1088/1755-1315/280/1/012006

Pratama, D. N. D., Khakhim, N., Wicaksono, A., Musthofa, A., & Lazuardi, W. (2021). Spatio-Temporal Analysis of Abrasion Susceptibility Effect on Land Cover in the Coastal Area of Bantul Regency, Yogyakarta, Indonesia. *International Journal of Geoinformatics*, *17*(4), 109–126. https://doi.org/10.52939/ijg.v17i4.1961

Prawitasari, T., & Darmawan, E. (2020). PENGARUH PASANG AIR LAUT (ROB) TERHADAP PERUBAHAN ADAPTASI FISIK BANGUNAN RUMAH TINGGAL DI PERMUKIMAN RAWAN BANJIR (Studi Kasus: Kampung Rejosari, Sayung, Demak). *IMAJI*, *9*(5), 551–560.

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Primasti, T. P. G., Hariyadi, H., Rochaddi, B., Widada, S., & Widiaratih, R. (2021). Pemantauan Kerentanan Fisik di Pesisir Kabupaten Demak (Studi Kasus Perubahan Garis Pantai). *Indonesian Journal of Oceanography*, *3*(1), 44–54. https://doi.org/10.14710/ijoce.v3i1.9997

Purnama, M. R., Adityawan, M. B., Farid, M., & Chrysanti, A. (2022). Effectiveness of an Elevated Road in Reducing Inundation Area of the Coast of Palu, Sulawesi, Indonesia. *Journal of Disaster Research*, *17*(7), 1127–1139. https://doi.org/10.20965/jdr.2022.p1127

Purnama, S., Marfai, Muh. A., Anggraini, D. F., & Cahyadi, A. (2015). Estimasi Risiko Kerugian Ekonomi Akibat Banjir Rob Menggunakan Sistem Informasi Geografis di Kecamatan Penjaringan, Jakarta Utara. *Jurnal Spatial Wahana Komunikasi Dan Informasi Geografi*, *14*(2), 8–13.

Putra, F., & Sanusi, A. (2019). *Analisis Kebijakan Publik Neo-Institusionalisme*. LP3ES.

Qurani, I. Z., Fawzi, N. I., Fadilah, R., & Kismorodati, W. (2021). Empowering Fish-Farmer through Coastal Field School: Towards Sustainable Aquaculture Practice. *IOP Conference Series: Earth and Environmental Science*, *750*(1), 012054. https://doi.org/10.1088/1755-1315/750/1/012054

Rachmawati, N., Alhassan, M. L., & Syafii, M. (2021). Sedekah Bumi : Model Kebersyukuran dan Resiliensi Komunitas pada Masyarakat Pesisir Utara Jawa Tengah. *JURNAL PENELITIAN*, *15*(1), 1. https://doi.org/10.21043/jp.v15i1.9075

Rahayu, H. P., Comfort, L. K., Haigh, R., Amaratunga, D., & Khoirunnisa, D. (2020). A study of people-centered early warning system in the face of near-field tsunami risk for Indonesian coastal cities. *International Journal of Disaster Resilience in the Built Environment*, *11*(2), 241–262. https://doi.org/10.1108/IJDRBE-10-2019-0068

Rahman, B., Wicaksono, N. A. B., Karmila, M., & Ridlo, M. A. (2022). Analysis of community adaptation on sinking coastal settlement in the Sriwulan, Demak Regency, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *1116*(1), 012070. https://doi.org/10.1088/1755-1315/1116/1/012070

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Ramdani, T., Juniarsih, N., & Rahmawati, R. (2023). Strategi Adaptif Masyarakat Pesisir Terhadap Diversifikasi Sumber Mata Pencaharian. *RESIPROKAL: Jurnal Riset Sosiologi Progresif Aktual*, *5*(2), 162–173. https://doi.org/10.29303/resiprokal.v5i2.409

Ramieri, E., Hartley, A., Barbanti, A., Santos, F. D., Gomes, A., Hilden, M., Laihonen, P., Marinova, N., & Santini, M. (2011). *Methods for assessing coastal vulnerability to climate change*. http://cca.eionet.europa.eu/

Ramli, R. R., & Kamal, N. A. (2025). Overview on the characteristics of houseboats in the Royal Belum State Park, Perak, Malaysia. *Journal of Asian Architecture and Building Engineering*, 1–16. https://doi.org/10.1080/13467581.2025.2454630

Rezagama, A., Sariffuddin, Pribadi, R., & Arneni, S. F. B. (2018). Economic Adaptation Strategies of Coastal Communities Affected by Environmental Degradation (Study Case: Sayung Sub-district, Demak). *E3S Web of Conferences*, *73*, 10021. https://doi.org/10.1051/e3sconf/20187310021

Rezagama, A., Setyati, W. A., Agustini, T. W., Sunaryo, Devi, S. A., Deswanto, E., & Budiati, I. M. (2021). Approaching SWOT Analysis to Develop Strategies of Marine-Ecotourism in Bedono Village, Sayung, Demak. *IOP Conference Series: Earth and Environmental Science*, *750*(1), 012059. https://doi.org/10.1088/1755-1315/750/1/012059

Rif'an, A. A., & Tyawati, A. W. (2020). Penilaian Risiko Bencana Kawasan Pariwisata Pantai Sayung, Kabupaten Demak. *Pringgitan*, *1*(2), 135–150.

Rocha, C., Antunes, C., & Catita, C. (2023). Coastal indices to assess sea-level rise impacts - A brief review of the last decade. *Ocean & Coastal Management*, *237*, 106536. https://doi.org/10.1016/j.ocecoaman.2023.106536

Rotich, S. J., Funder, M., Marani, M., & Nathan, I. (2025). Climate change adaptation and land tenure: exploring pastoral adaptation strategies under communal and private land ownership in Kenya. *Local Environment*, *30*(1), 37–57. https://doi.org/10.1080/13549839.2024.2428207

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Rozi, S., & Taufik, Z. (2020). Adaptation of Religion and Local Wisdom in Global Environmental Issues in Indonesia. *Religious: Jurnal Studi Agama-Agama Dan Lintas Budaya*, *4*(3), 191–203. https://doi.org/10.15575/rjsalb.v4i3.9593

Rudiarto, I., Handayani, W., & Setyono, J. S. (2018). A regional perspective on urbanization and climate-related disasters in the northern coastal region of central Java, Indonesia. *Land*, *7*(1). https://doi.org/10.3390/land7010034

Rudiarto, I., Rengganis, H., Sarasadi, A., & Caesar, E. (2020). The Effectiveness of Strategy Adaptations on Tidal Flood in The Coastal Areas of Sayung, Demak, Central Java, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *448*(1), 012090. https://doi.org/10.1088/1755-1315/448/1/012090

Rumahorbo, B. T., Warpur, M., Tanjung, R., & Hamuna, B. (2023). Spatial Analysis of Coastal Vulnerability Index to Sea Level Rise in Biak Numfor Regency (Indonesia). *Journal of Ecological Engineering*, *24*(3), 113–125. https://doi.org/10.12911/22998993/157539

Sagala, P. M., Bhomia, R. K., & Murdiyarso, D. (2024). Assessment of coastal vulnerability to support mangrove restoration in the northern coast of Java, Indonesia. *Regional Studies in Marine Science*, *70*, 103383. https://doi.org/10.1016/j.rsma.2024.103383

Sakuntaladewi, N., & Sylviani. (2014). Kerentanan dan Upaya Adaptasi Masyarakat Pesisir Terhadap Perubahan Iklim. *Jurnal Penelitian Sosial Dan Ekonomi Kehutanan*, *11*(4), 281–293.

Samiksha, S. V., Vethamony, P., Bhaskaran, P. K., Pednekar, P., Jishad, M., & James, R. A. (2019). Attenuation of Wave Energy Due to Mangrove Vegetation off Mumbai, India. *Energies*, *12*(22), 4286. https://doi.org/10.3390/en12224286

Sarah, D., Mulyono, A., Satriyo, N. A., Soebowo, E., & Wirabuana, T. (2022). Towards sustainable land subsidence mitigation in Semarang and Demak, Central Java: Analysis using DPSIR Framework. *Journal of Water and Land Development*, (55), 150–165. https://doi.org/10.24425/jwld.2022.142317

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Sarasandi, A., Rudianto, I., & Faradila, A. (2021). Adaptation Strategy of Tidal Flood Handling a Case Study in Sayung Sub-District, Demak. *Forum Ilmu Sosial*, *48*(2), 93–99.

Sari, D. A. A., & Muslimah, S. (2014). Kebijakan Pengelolaan Pulau-Pulau Kecil Terluar Indonesia Dalam Menghadapi Perubahan Iklim Global. *Yustisia Jurnal Hukum*, *3*(3), 57–72.

Sari, E., Yamin, M., Purba, H., & Sembiring, R. (2022a). Land Procurement for Public Interest Against Destroyed Land: Natural Events and Legal Certaint. *Civil Engineering Journal*, *8*(6), 1167–1177. https://doi.org/10.28991/CEJ-2022-08-06-06

Sari, E., Yamin, M., Purba, H., & Sembiring, R. (2022b). Land Procurement for Public Interest Against Destroyed Land: Natural Events and Legal Certaint. *Civil Engineering Journal*, *8*(6), 1167–1177. https://doi.org/10.28991/CEJ-2022-08-06-06

Sarvianto, D. F., Kolopaking, L. M., & Hapsari, D. R. (2023). Digital Sociological Review of KP2C in the Use of Whatsapp Groups for Flood Mitigation. *Sodality: Jurnal Sosiologi Pedesaan*, *10*(3), 264–283. https://doi.org/10.22500/10202237072

Setianingsih, W., Sasmito, B., & Bashit, N. (2018). Analisis Sea Level Rise di Laut Utara Jawa Terhadap Perubahan Garis Pantai Wilayah Demak Pada Tahun 2006-2016. *Jurnal Geodesi Undip*, *7*(2), 53–63.

Setiawan, H. H., Susantyo, B., Irmayani, N. R., Habibullah, H., Ganti, M., Abdullah, A., Setiadiwibawa, L., Setiawati, E., Maryani, I., Siswoyo, S., Djaenudin, D., Tanjung, M. I., Karno, K., & Halifu, R. (2025). *Integrated Resilience for Adapting to Climate Change in North Coastal Communities on Java Island, Indonesia* (pp. 175–201). https://doi.org/10.1007/978-3-031-85359-3_8

Setyowati, D. L., Amin, M., Astuti, T. M. P., & Ishartiwi. (2017). Community effort for adaptation and anticipate to flood tide (rob) in Bedono Village, District Sayung Demak, Central Java, Indonesia. *Man in India*, *97*(5), 241–252.

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Setyowati, E., Susilowati, I., Sugianto, D. N., & Putri, A. R. (2022). Model Kuliner Wisata Bahari Untuk Peningkatan Pemberdayaan Ekonomi Desa Tambakbulusan Kabupaten Demak. *Jurnal Arsitektur ARCADE*, *6*(2), 146. https://doi.org/10.31848/arcade.v6i2.977

Shivanna, K. R. (2022). Climate change and its impact on biodiversity and human welfare. *Proceedings of the Indian National Science Academy*, *88*(2), 160–171. https://doi.org/10.1007/s43538-022-00073-6

Siders, A., Ajibade, I., & Casagrande, D. (2021). Transformative potential of managed retreat as climate adaptation. *Current Opinion in Environmental Sustainability*, *50*, 272–280. https://doi.org/10.1016/j.cosust.2021.06.007

Sidiq, T. P., Gumilar, I., Meilano, I., Abidin, H. Z., Andreas, H., & Permana, A. (2021). Land Subsidence of Java North Coast Observed by SAR Interferometry. *IOP Conference Series: Earth and Environmental Science*, *873*(1), 012078. https://doi.org/10.1088/1755-1315/873/1/012078

Sierra-Correa, P. C., & Cantera Kintz, J. R. (2015). Ecosystem-based adaptation for improving coastal planning for sea-level rise: A systematic review for mangrove coasts. *Marine Policy*, *51*, 385–393. https://doi.org/10.1016/j.marpol.2014.09.013

Simão Antunes do Carmo, J. (2020). Coastal Adaptation: Past Behaviors, Contemporary Management, and Future Options. In *Coastal and Marine Environments - Physical Processes and Numerical Modelling*. IntechOpen. https://doi.org/10.5772/intechopen.88123

Sriyana, I., Niyomukiza, J. B., Sangkawati, S., & Parahyangsari, S. K. (2020). Determination of the original coastline on Semarang city and Demak district using remote sensing approach. *E3S Web of Conferences*, *202*, 04001. https://doi.org/10.1051/e3sconf/202020204001

Strangfeld, P., & Stopp, H. (2014). *Floating houses: an adaptation strategy for flood preparedness in times of global change*. 277–286. https://doi.org/10.2495/FRIAR140231

Sugianto, D. N., Suryadi, Y., Wijayanti, H. S., & Afifah, D. N. (2020). Identification of the Increase in the Air Temperature of the North Coast of

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Central Java as an Indicator of Climate Change: Semarang Station Climatology Data 1970–2017. *The International Journal of Climate Change: Impacts and Responses*, *12*(2), 35–47. https://doi.org/10.18848/1835-7156/CGP/v12i02/27-39

Sugianto, D. N., Widada, S., Wirastriya, A., Ismanto, A., Hartati, R., Widianingsih, W., Indarjo, A., & Suripin, S. (2020). A Framework for Plans Permeable Breakwater Eco-Friendly Building Identification and Characteristics Materials Construction Study Case at Demak Village. *Advances in Science, Technology and Engineering Systems Journal*, *5*(2), 235–240. https://doi.org/10.25046/aj050230

Sugianto, D., Widiaratih, R., Widada, S., Suripin, S., Handayani, E., & Cahyaningtyas, P. (2022). Analysis of Structural and Non-Structural Disaster Mitigation Due to Erosion in the Timbulsloko Village, Demak – Central Java. *Journal of Ecological Engineering*, *23*(2), 246–254. https://doi.org/10.12911/22998993/144559

Sukamdi, S. (2019). Mobilitas Penduduk, Kemiskinan, dan Ketahanan Pangan di Daerah Bencana: Kasus Desa Timbulsloko, Kecamatan Sayung, Kabupaten Demak, Provinsi Jawa Tengah. *Populasi*, *27*(1), 52. https://doi.org/10.22146/jp.49602

Sulistiyo, S., Amrullah, S., Putri, R. A. P., & Ruslanjari, D. (2024a). *Mitigation and Adaptation Strategies of Coastal Community in Timbulsloko Village: Facing the Impact of Climate Change* (pp. 703–718). https://doi.org/10.1007/978-981-97-0740-9_63

Sulistiyo, S., Amrullah, S., Putri, R. A. P., & Ruslanjari, D. (2024b). *Mitigation and Adaptation Strategies of Coastal Community in Timbulsloko Village: Facing the Impact of Climate Change* (pp. 703–718). https://doi.org/10.1007/978-981-97-0740-9_63

Sulistyowati, N., Fitriyani, N., Sasuwang, F. R., Darmawan, G., & Lestari, R. P. (2023). Strategi Pengembangan Desa Wisata Berbasis Masyarakat di Desa Bedono, Kecamatan Sayung, Kabupaten Demak. *Jurnal Pendidikan, Bahasa Dan Budaya*, *2*(1), 222–234. https://doi.org/10.55606/jpbb.v2i1.1175

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Sultan, M. I., Amir, A. S., Tenriliweng, A. A. H., Arya, N., & Hidayatullah, F. (2024). The role of flood disaster information literacy in community preparedness in Tempe district Wajo regency South Sulawesi province Indonesia. *Edelweiss Applied Science and Technology*, *8*(6), 1915–1929. https://doi.org/10.55214/25768484.v8i6.2356

Suntoro, A., Angelia Yusniar Marbun, A., & Adi Nugroho, P. (2025). Building Resilience: Housing Adaptation Strategies for Climate-Affected Coastal Communities in Central Java. *IOP Conference Series: Earth and Environmental Science*, *1489*(1), 012039. https://doi.org/10.1088/1755-1315/1489/1/012039

Suppasri, A., Al'ala, M., Luthfi, M., & Comfort, L. K. (2019). Assessing the tsunami mitigation effectiveness of the planned Banda Aceh Outer Ring Road (BORR), Indonesia. *Natural Hazards and Earth System Sciences*, *19*(1), 299–312. https://doi.org/10.5194/nhess-19-299-2019

Suryanti, N. M. W. A., & Marfai, M. A. (2016). Analisis Multibahaya di Wilayah Pesisir Kabupaten Demak. *Jurnal Bumi Indonesia*, *5*(2).

Sutigno, A. L., & Pigawati, B. (2015). Adaptasi masyarakat terhadap bencana rob di Desa Sriwulan Kecamatan Sayung Kabupaten Demak. *Jurnal Teknik PWK*, *4*(4), 449–513.

Thieler, E. R., & Hammar-Klose, E. (1999a). *National Assessment of Coastal Vulnerability to Sea-Level Rise: Preliminary Results for U.S. Atlantic Coast*. http://pubs.usgs.gov/of/1999/of99-593/

Thieler, E. R., & Hammar-Klose, E. S. (1999b). *National Assessment of Coastal Vulnerability to Sea-Level Rise: Preliminary Result for the US Atlantic Coast*. https://pubs.usgs.gov/of/1999/of99-593/

Tol, R. S. (2022). State capacity and vulnerability to natural disasters. In *Economic consequences of pre-COVID-19 epidemics: a literature review* (pp. 434–457). Edward Elgar Publishing. https://doi.org/10.4337/9781839103735.00033

Tol, R. S. J. (2018). The economic impacts of climate change. *Review of Environmental Economics and Policy*, *12*(1), 4–25. https://doi.org/10.1093/reep/rex027

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Tomaszewski, L. E., Zarestky, J., & Gonzalez, E. (2020). Planning Qualitative Research: Design and Decision Making for New Researchers. *International Journal of Qualitative Methods*, *19*. https://doi.org/10.1177/1609406920967174

Tschakert, P., & Dietrich, K. A. (2010). Anticipatory Learning for Climate Change Adaptation and Resilience. *Ecology and Society*, *15*(2).

Twigg, J. (2015). *Disaster Risk Reduction* (New edition 2015). Overseas Development Institute.

Undang-Undang Republik Indonesia Nomor 31 Tahun 2009 Tentang Meteorologi, Klimatologi Dan Geofisika (2009).

UNFCCC. (2023). *Introduction Adaptation and Resilience*. https://unfccc.int/topics/adaptation-and-resilience/the-big-picture/introduction

United Nation Framework Convention on Climate Change (1992).

Utami, W. S., Subardjo, P., & Helmi, M. (2017). Studi Perubahan Garis Pantai Akibat Kenaikan Muka Air Laut di Kecamatan Sayung, Kabupaten Demak. *Jurnal Oseanografi*, *6*(1), 281–287.

Utari, R., Fitriah, A. G., Damayanti, R., & Nugroho, R. A. (2024). Local Wisdom-Based Disaster Mitigation Efforts in Grebeg Suran Sedekah Laut for Coastal Communities (A Folkloric Study in Mirit Sub-District, Kebumen District). *Humanus*, *23*(2), 171. https://doi.org/10.24036/humanus.v23i2.125399

Wacano, D., Ri'fan, A. A., Yuniastuti, E., Daulay, R. W., & Marfai, M. A. (2013). Adaptasi masyarakat pesisir Kabupaten Demak dalam menghadapi perubahan iklim dan bencana wilayah kepesisiran. In *Seri Bunga Rampai Pengelolaan Lingkungan Zamrud Khatulistiwa* (pp. 20–33). Percetakan Kanisius.

Wade, K., & Jennings, M. (2016). *The impact of climate change on the global economy*.

Wahyuni, S. W. (2025). Integrating Local Wisdom into Climate Change Adaptation Strategies: A Case Study From Southeast Asia. *PERFECTION: Journal of Sustainable Development Goals*, *1*(1), 1–10.

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

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

Widjonarko, W., Purnaweni, H., Maryono, M., & Soeprobowati, T. R. (2025). Modelling Environmental Impact of Sea Dike and Toll Road in Semarang-Demak Indonesia Based on Satellite Imagery Data. *Geoplanning: Journal of Geomatics and Planning*, *12*(1), 31–44. https://doi.org/10.14710/geoplanning.12.1.31-44

Wijaya, A., Luthfi, A., Wicaksono, H., & Husain, F. (2022). Internalisasi Nilai-Nilai Konservasi Lingkungan Melalui Penuturan Cerita Rakyat Bagi Anak-Anak di Desa Bedono Kecamatan Sayung Kabupaten Demak. *ABDIMAS Jurnal Pengabdian Kepada Masyarakat*, *26*(2), 222–229.

Wijaya, N. (2018). Disaster Risk Reduction and Climate Change Adaptation Integration into Peri-Urban Development Planning: A Case Study of Bandung Metropolitan Area, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *145*, 012079. https://doi.org/10.1088/1755-1315/145/1/012079

WMO. (2017). *WMO Guidelines on the Calculation of Climate Normals*. World Meteorological Organization.

Wulandari, A., Shohibuddin, M., & Satria, A. (2022). Strategi Adaptasi Rumah Tangga Nelayan dalam Menghadapi Dampak Abrasi. *Jurnal Sosial Ekonomi Kelautan Dan Perikanan*, *17*(2), 269. https://doi.org/10.15578/jsekp.v17i2.10364

Wulandari, C., Pratiwi, D. E., Rizky, D. N., Huda, D. K., Pratama, M. D., & Daud, N. M. (2021). Optimizing the Use of Social Media as a Brand Destination-based Promotional Media for Glagah Wangi Istambul Beach in Demak. *Jurnal Pengabdian Kepada Masyarakat (Indonesian Journal of Community Engagement)*, *7*(3), 201. https://doi.org/10.22146/jpkm.65197

Xu, H. (2006). Modification of normalised difference water index (NDWI) to enhance open water features in remotely sensed imagery. *International*

UNIVERSITAS
GADJAH MADA
Studi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana di Pesisir Kabupaten Demak
Satrio Amrullah, Prof. Sri Rum Giyarsih, S.Si., M.Si; Prof. Dr. Ir. Dina Ruslanjari, M.Si
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Journal of Remote Sensing, *27*(14), 3025–3033. https://doi.org/10.1080/01431160600589179

Yee, M., McMichael, C., McNamara, K. E., & Piggott-McKellar, A. (2024). Partial planned relocation and livelihoods: Learnings from Narikoso, Fiji. *Asia Pacific Viewpoint*, *65*(3), 290–307. https://doi.org/10.1111/apv.12409

Yogaswara, H., Hidayati, D., Aji, G. B., & Miranda, T. I. (2013). *Kebijakan Adaptasi Perubahan Iklim di Daerah: Sektor Pertanian dan Kelautan*.

Yonan, L. M., & Hardiyati. (2024). Rumah Panggung Sebagai Respon Adaptif Terhadap Banjir Rob Pada Kawasan Kampung Nelayan Pantai Sari di Kota Pekalongan. *SENTHONG: Jurnal Ilmiah Mahasiswa Arsitektur*, *7*(1), 343–352.

Yuwono, B. D., Abidin, H. Z., Gumilar, I., Andreas, H., Awaluddin, M., Haqqi, K. F., & Khoirunisa, R. (2016). Preliminary survey and performance of land subsidence in North Semarang Demak. *AIP Conference Proceedings*, 060004. https://doi.org/10.1063/1.4947410

Zorini, L. O., Contini, C., Jiddawi, N., Ochiewo, J., Shunula, J., & Cannicci, S. (2004). Participatory appraisal for potential community-based mangrove management in East Africa. *Wetlands Ecology and Management*, *12*(2), 87–102. https://doi.org/10.1023/B:WETL.0000021672.15252.54