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DAFTAR PUSTAKA

Abba, A., Sankarannair, S., Gautam, R., & Kaparaju, P. (2025). Integrating local knowledge and innovative approaches for sustainable water hyacinth management towards livelihoods enhancement in rural India. *Scientific Reports*, *15*(1). https://doi.org/10.1038/s41598-025-10507-y

Ackermann, F., & Eden, C. (2011). Strategic Management of Stakeholders: Theory and Practice. *Long Range Planning*, *44*(3), 179–196. https://doi.org/10.1016/J.LRP.2010.08.001

Ahmed, S., & Haque, C. (2022). Wetland Entitlement and Sustainable Livelihood of Local Users in Bangladesh: A Case Study of Hakaluki Haor Communities. *Environmental Management*, *71*, 334–349. https://doi.org/10.1007/s00267-022-01741-5

Akhirianto, N. A., Ma'rufatin, A., Wardani, K. S., Kayadoe, F. J., & Kongko, W. (2025). Bridging policy and practice in tsunami disaster risk reduction: Evaluating local implementation challenges in eastern Indonesia. *International Journal of Disaster Risk Reduction*, *124*. https://doi.org/10.1016/j.ijdrr.2025.105491

Amatullah, A. A. (2025). MILITARIZATION AND LOCAL RESISTANCE : HISTORY OF TNI INTERVENTIONS IN PAPUA CONFLICT SINCE INTERGRATION 1969. *JURNAL MAHATVAVIRYA*. https://doi.org/10.63824/jmp.v12i2.316

Anyanwu, L. E., Felix, O. O., Ejike, I. W., & Anyanwu, I. O. (2025). Environmental governance frameworks and stakeholder engagement mechanisms for effective natural resource management at local levels. *World Journal of Advanced Research and Reviews*. https://doi.org/10.30574/wjarr.2025.28.2.3808

Badan Pusat Statistik Kabupaten Semarang. (2023). *Kabupaten Semarang Dalam Angka 2023*. BPS Kabupaten Semarang.

Ballatore, T., & Muhandiki, V. (2002). The Case for a World Lake Vision. *Hydrological Processes*, *16*(11), 2079–2089. https://doi.org/10.1002/hyp.1087

Bayable, G., Cai, J., Mekonnen, M., Legesse, S. A., Ishikawa, K., Imamura, H., & Kuwahara, V. S. (2023). Detection of Water Hyacinth (Eichhornia crassipes) in Lake Tana, Ethiopia, Using Machine Learning Algorithms. *Water (Switzerland)*, *15*(5). https://doi.org/10.3390/w15050880

BBWS Pemali Juana. (2019). *Laporan Kajian Sempadan Danau Rawa Pening: Penetapan Batas Badan dan Sempadan Danau Rawa Pening*.

Belayhun, M., Chere, Z., Abay, N. G., Nicola, Y., & Asmamaw, A. (2024). Spatiotemporal pattern of water hyacinth (Pontederia crassipes) distribution in Lake Tana, Ethiopia, using a random forest machine learning model. *Frontiers in Environmental Science*, *12*. https://doi.org/10.3389/fenvs.2024.1476014

Bell, A., Klein, D., Rieser, J., Kraus, T., Thiel, M., & Dech, S. (2023). Scientific Evidence from Space—A Review of Spaceborne Remote Sensing Applications at the Science–Policy Interface. In *Remote Sensing* (Vol. 15, Number 4). MDPI. https://doi.org/10.3390/rs15040940

Berkes, F., & Folke, C. (1998). *Linking Social and Ecological Systems: Management Practices and Social Mechanisms for Building Resilience* (F. Berkes & C. Folke, Eds.). Cambridge University Press.

Blaikie, P., & Brookfield, H. (1987). *Land Degradation and Society* (P. Blaikie & H. Brookfield, Eds.). Methuen.

Bullock, H., Lavis, J., Wilson, M., Mulvale, G., & Miatello, A. (2020). Understanding the implementation of evidence-informed policies and practices from a policy perspective: a critical interpretive synthesis. *Implementation Science : IS*, *16*. https://doi.org/10.1186/s13012-021-01082-7

UNIVERSITAS
GADJAH MADA
Implementasi kebijakan mitigasi bencana: analisis kesenjangan spasial di Rawa Pening, Jawa Tengah
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Buzogány, A., & Pülzl, H. (2024). Top-down and bottom-up implementation. In *Handbook of Public Policy Implementation*. https://doi.org/10.4337/9781800885905.00016

Cárdenas-Cuadrado, C., Morocho, L., Guevara, J., Cepeda, M., Hernández-Paredes, T., Arcos-Jácome, D., Ortega, C., & Portalanza, D. (2025). Modeling the Impact of Water Hyacinth on Evapotranspiration in the Chongón Reservoir Using Remote Sensing Techniques: Implications for Aquatic Ecology and Invasive Species Management. *Hydrology*, *12*(4). https://doi.org/10.3390/hydrology12040080

Chaffin, B. C., Gosnell, H., & Cosens, B. A. (2014). A decade of adaptive governance scholarship: Synthesis and future directions. *Ecology and Society*, *19*(3). https://doi.org/10.5751/ES-06824-190356

Chala, D., Tsegaye, D., Alem, H., Asalf, B., Moges, M. E., Abate, N. T., Wondie, A., Tadesse, A., Aticho, A., Gonsamo, A., Wang, L., Lundgren, E., Kerby, J., & Svenning, J. (2026). Beyond Removal: Strategies for Sustainable Control of Water Hyacinth in Tropical Freshwater Ecosystems. *Environmental Management*, *76*. https://doi.org/10.1007/s00267-026-02494-1

Cherkasskii, B. L. (1988). The system of the epidemic process. *Journal of Hygiene, Epidemiology, Microbiology, and Immunology*, *32*(3), 321–328.

Chidammodzi, C. L., & Muhandiki, V. S. (2015). Development of indicators for assessment of Lake Malawi Basin in an Integrated Lake Basin Management (ILBM) framework. *International Journal of the Commons*, *9*, 209–236.

Chidammodzi, C. L., & Muhandiki, V. S. (2016). An indicator framework for assessing the technology aspect of Integrated Lake Basin Management for Lake Malawi Basin. *Ecological Indicators*, *60*, 789–801. https://doi.org/10.1016/j.ecolind.2015.08.021

Christofzik, D., & Märtz, O. (2026). Distance matters: Geographical proximity and fiscal rules enforcement. *European Journal of Political Economy*. https://doi.org/10.1016/j.ejpoleco.2026.102824

Civelek, C. (2025). From state commodification to local reproduction of vulnerability: ethnographic insights from a Risk Zone Urban Renewal Project in Turkey. *Disasters*, *50*. https://doi.org/10.1111/disa.70024

Colby, D. C., Quinn, B. C., Williams, C. H., Bilheimer, L. T., & Goodell, S. (2008). Research glut and information famine: Making research evidence more useful for policymakers. In *Health Affairs* (Vol. 27, Number 4, pp. 1177–1182). https://doi.org/10.1377/hlthaff.27.4.1177

Colding, J., & Barthel, S. (2019). Exploring the social-ecological systems discourse 20 years later. *Ecology and Society*, *24*(1). https://doi.org/10.5751/ES-10598-240102

Congalton, R. G., & Green, K. (2019). *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices* (3rd ed.). CRC Press.

Creswell, J. W. (2014). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches* (4th ed.). SAGE Publications.

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

Crichton, D. (1999). The Risk Triangle. In J. Ingleton (Ed.), *Natural Disaster Management* (pp. 102–103). Tudor Rose.

Debay, A. B., Tsendbazar, N., & Speelman, E. N. (2025). Land-use change and lake eutrophication: Stakeholders' perceptions on practices and policies in Ethiopia. *Environmental and Sustainability Indicators*, *28*. https://doi.org/10.1016/j.indic.2025.100880

Decaro, D. A., Chaffin, B. C., Schlager, E., Garmestani, A. S., & Ruhl, J. B. (2017). Legal and institutional foundations of adaptive environmental governance. *Ecology and Society*, *22*(1). https://doi.org/10.5751/ES-09036-220132

Dongol, Y., & Neumann, R. (2021). State making through conservation: The case of post-conflict Nepal. *Political Geography*, *85*, 102327. https://doi.org/10.1016/j.polgeo.2020.102327

UNIVERSITAS
GADJAH MADA
Implementasi kebijakan mitigasi bencana: analisis kesenjangan spasial di Rawa Pening, Jawa Tengah
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Drusch, M., & others. (2012). Sentinel-2: ESA's Optical High-Resolution Mission for GMES Operational Services. *Remote Sensing of Environment*, *120*, 25–36.

Ekmen, O., & Kocaman, S. (2024). Remote sensing for UN SDGs: A global analysis of research and collaborations. *Egyptian Journal of Remote Sensing and Space Science*, *27*(2), 329–341. https://doi.org/10.1016/j.ejrs.2024.04.002

Elmakki, O. A. O. (2024). Power struggles and resource control in Sudan: Analyzing the dynamics of local communities, regional elites, and the state in Sudan's natural resource governance. *International Journal of Science and Research Archive*. https://doi.org/10.30574/ijsra.2024.13.2.2561

European Space Agency. (2021). *Sentinel-2 User Handbook*.

Faiz, & Ariel. (2022, July 12). Petani Rawa Pening Mengadu ke Dewan soal Dampak Revitalisasi. *DPRD Provinsi Jawa Tengah*. https://dprd.jatengprov.go.id/berita/petani-rawa-pening-keluhkan-proyek-revitalisasi/

Feng, J., Wen, Y., Zhang, H., Duan, W., & Hao, H. (2024). Wetland restoration, household income, and livelihood structure of farmers. *Frontiers in Sustainable Food Systems*. https://doi.org/10.3389/fsufs.2024.1256115

Folke, C., Hahn, T., Olsson, P., & Norberg, J. (2005). Adaptive governance of social-ecological systems. In *Annual Review of Environment and Resources* (Vol. 30). https://doi.org/10.1146/annurev.energy.30.050504.144511

Genda, E. A., Hakim, A., Noor, I., & Setyowati, E. (2025). Smart Policing: The Impact of E-TLE Implementation on Traffic Behavior in South Sumatra, Indonesia. *Journal of Ecohumanism*, *4*(1), 2119–2126. https://doi.org/10.62754/joe.v4i1.6035

Goniewicz, K., & Burkle, F. M. (2019). Challenges in implementing sendai framework for disaster risk reduction in poland. *International Journal of Environmental Research and Public Health*, *16*(14). https://doi.org/10.3390/ijerph16142574

Gorelick, N., Hancher, M., Dixon, M., Ilyushchenko, S., Thau, D., & Moore, R. (2017). Google Earth Engine: Planetary-scale geospatial analysis for everyone. *Remote Sensing of Environment*, *202*, 18–27. https://doi.org/https://doi.org/10.1016/j.rse.2017.06.031

Grindle, M. S. (1980). *Politics and Policy Implementation in the Third World*. Princeton University Press.

Grindle, M. S. (2017). Policy content and context in implementation. In *Politics and Policy Implementation in the Third World*. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058737906&partnerID=40&md5=c1d3b05d65ae062f4d89471ca829836c

Guetterman, T. C., Fetters, M. D., & Creswell, J. W. (2015). Integrating Quantitative and Qualitative Results in Health Science Mixed Methods Research Through Joint Displays. *Annals of Family Medicine*, *13*(6), 554–561.

Hall, D., Hirsch, P., & Li, T. M. (2011). *Powers of Exclusion: Land Dilemmas in Southeast Asia*. NUS Press.

Head, B. (2016). Toward More "Evidence-Informed" Policy Making? *Public Administration Review*, *76*, 472–484. https://doi.org/10.1111/puar.12475

Head, B. W. (2010). Reconsidering evidence-based policy: Key issues and challenges. In *Policy and Society* (Vol. 29, Number 2, pp. 77–94). https://doi.org/10.1016/j.polsoc.2010.03.001

Henny, C., Julzarika, A., Sulastri, Prasetyo, S., Retno Utami, R., Setiadewi, N., & Hakim, A. M. Y. (2026). Recurring struggle in managing water hyacinth invasion and water quality in a tropical lake: Case study of Lake Rawa Pening, Indonesia. In *Journal of Environmental Management* (Vol. 397). Academic Press. https://doi.org/10.1016/j.jenvman.2025.128210

UNIVERSITAS
GADJAH MADA
Implementasi kebijakan mitigasi bencana: analisis kesenjangan spasial di Rawa Pening, Jawa Tengah
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Hillman, B., & Zhao, T. (2026). Bureaucratic Avoidance in China's Local Governments: The Persistence of Formalism and the Limits of Central Control. *The China Journal*. https://doi.org/10.1086/738564

Huete, A. R. (1988). A soil-adjusted vegetation index (SAVI). *Remote Sensing of Environment*, *25*(3), 295–309. https://doi.org/10.1016/0034-4257(88)90106-X

Hyun, J. C., Kirui, P., & Natarajan, H. (2008). Test of multi-spectral vegetation index for floating and canopy-forming submerged vegetation. *International Journal of Environmental Research and Public Health*, *5*(5), 477–483. https://doi.org/10.3390/ijerph5050477

ILEC. (2005). *Managing Lakes and their Basins for Sustainable Use: A Report for Lake Basin Managers and Stakeholders*. International Lake Environment Committee Foundation.

Inamura, Y., Kumar, P., & Hirayama, N. (2025). Unpacking the critical elements for solving the complex issue of sustainable lake management: Case studies from Japan. *World Development Sustainability*, *6*. https://doi.org/10.1016/j.wds.2024.100199

Janssens, N., Schreyers, L., Biermann, L., Van Der Ploeg, M., Bui, T.-K., & Van Emmerik, T. (2022). Rivers running green: water hyacinth invasion monitored from space. *Environmental Research Letters*, *17*. https://doi.org/10.1088/1748-9326/ac52ca

Jensen, J. R. (2015). *Introductory Digital Image Processing: A Remote Sensing Perspective* (4th ed.). Pearson Education.

Jiang, Y., Xiao, Y., Zhang, Z., & Zhao, S. (2023). How does central-local interaction affect local environmental governance? Insights from the transformation of central environmental protection inspection in China. *Environmental Research*, 117668. https://doi.org/10.1016/j.envres.2023.117668

Kapiriri, L., & Razavi, D. (2021). Salient stakeholders: Using the salience stakeholder model to assess stakeholders' influence in healthcare priority setting. *Health Policy OPEN*, *2*. https://doi.org/10.1016/j.hpopen.2021.100048

Katonge, J. H., & Gayo, L. (2025). Lake Babati ecosystem, Tanzania: biodiversity status, anthropogenic threats, and land use implications − a review. *Watershed Ecology and the Environment*, *7*, 299–309. https://doi.org/10.1016/j.wsee.2025.06.002

Khomsi, K., Bouzghiba, H., Mendyl, A., Al-Delaimy, A. K., Dahri, A., Saad-Hussein, A., Balaw, G., El Marouani, I., Sekmoudi, I., Adarbaz, M., Khanjani, N., & Abbas, N. (2024). Bridging research-policy gaps An integrated approach. In *Environmental Epidemiology* (Vol. 8, Number 1, p. E281). Wolters Kluwer Health. https://doi.org/10.1097/EE9.0000000000000281

Kira, T. (1997). Survey of the State of World Lakes. In S. Jorgensen & S. Matsui (Eds.), *Guidelines of Lake Management, Vol. 8: The World's Lakes in Crisis* (pp. 147–155). International Lake Environment Committee Foundation (ILEC) and UNEP.

Kirschenbaum, A. (2002). Disaster Preparedness: A Social Agency Perspective. *International Journal of Mass Emergencies and Disasters*, *20*(2), 191–202.

Kiyemba, H., Barasa, B., Asaba, J., Gudoyi, P. M., & Akello, G. (2023). Water Hyacinth's Extent and Its Implication on Water Quality in Lake Victoria, Uganda. *The Scientific World Journal*, *2023*. https://doi.org/10.1155/2023/4947272

Kleinschroth, F., Winton, R., Calamita, E., Niggemann, F., Botter, M., Wehrli, B., & Ghazoul, J. (2020). Living with floating vegetation invasions. *Ambio*, *50*, 125–137. https://doi.org/10.1007/s13280-020-01360-6

Kostka, G., & Nahm, J. (2017). Central–Local Relations: Recentralization and Environmental Governance in China. *The China Quarterly*, *231*, 567–582. https://doi.org/10.1017/s0305741017001011

Kuhn, A. (2025). Eutrophication of marine ecosystems: explaining (non-)acceptance of governance approaches for reducing agricultural nutrient input. *Maritime Studies*, *24*(4). https://doi.org/10.1007/s40152-025-00459-4

UNIVERSITAS
GADJAH MADA
Implementasi kebijakan mitigasi bencana: analisis kesenjangan spasial di Rawa Pening, Jawa Tengah
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kundu, S., Kundu, B., Rana, N., & Mahato, S. (2024). Wetland degradation and its impacts on livelihoods and sustainable development goals: An overview. *Sustainable Production and Consumption*. https://doi.org/10.1016/j.spc.2024.05.024

Landis, J. R., & Koch, G. G. (1977). The Measurement of Observer Agreement for Categorical Data. *Biometrics*, *33*(1), 159–174.

Leuz, C. (2018). Evidence-based policymaking: promise, challenges and opportunities for accounting and financial markets research**. *Accounting and Business Research*, *48*(5), 582–608. https://doi.org/10.1080/00014788.2018.1470151

Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *Remote Sensing and Image Interpretation* (7th ed.). John Wiley & Sons.

Lincoln, Y. S., & Guba, E. G. (1985). *Naturalistic Inquiry*. SAGE Publications.

Lu, D., Mausel, P., Brondízio, E., & Moran, E. (2004). Change detection techniques. *International Journal of Remote Sensing*, *25*(12), 2365–2401. https://doi.org/10.1080/0143116031000139863

Maharani, F., & Ramli, A. (2025). *Analisis Sosiolegal terhadap Pelaksanaan Kebijakan dan Penyelesaian Sengketa untuk Upaya Perlindungan Hukum Hak Atas Tanah dan Resolusi Konflik Agraria di Rawa Pening*. *1*, 572–600.

Manna, S., Bartoli, M., & Mazzocchi, C. (2026). Harmonizing Socioeconomic and Environmental Factors in Lake Ecosystems: The Case of Lake Iseo. *Environmental and Sustainability Indicators*. https://doi.org/10.1016/j.indic.2026.101222

Maqbool, R., Rashid, Y., & Ashfaq, S. (2022). Renewable energy project success: Internal versus external stakeholders' satisfaction and influences of power-interest matrix. *Sustainable Development*. https://doi.org/10.1002/sd.2327

Mardiatno, D., Faridah, F., Listyaningrum, N., Hastari, N. R. F., Rhosadi, I., da Costa, A. D. S., Rahmadana, A. D. W., Lisan, A. R. K., Sunarno, S., & Setiawan, M. A. (2023). A Holistic Review of Lake Rawapening Management Practices, Indonesia: Pillar-Based and Object-Based Management. In *Water (Switzerland)* (Vol. 15, Number 1). MDPI. https://doi.org/10.3390/w15010039

Marks, D., & Lebel, L. (2016). Disaster governance and the scalar politics of incomplete decentralization: Fragmented and contested responses to the 2011 floods in Central Thailand. *Habitat International*, *52*, 57–66. https://doi.org/10.1016/j.habitatint.2015.08.024

Martin, R., Schlüter, M., & Blenckner, T. (2020). The importance of transient social dynamics for restoring ecosystems beyond ecological tipping points. *PNAS*, *117*(5), 2717–2722. https://doi.org/10.1073/pnas.1817154117/-/DCSupplemental

Middeldorp, N., & Le Billon, P. (2019). Deadly Environmental Governance: Authoritarianism, Eco-populism, and the Repression of Environmental and Land Defenders. *Annals of the American Association of Geographers*, *109*(2), 324–337. https://doi.org/10.1080/24694452.2018.1530586

Miles, M. B., Huberman, A. M., & Saldaña, J. (2014). *Qualitative Data Analysis: A Methods Sourcebook* (3rd ed.). SAGE Publications.

Mitchell, R., Agle, B., & Wood, D. (1997). Toward a Theory of Stakeholder Identification and Salience: Defining the Principle of who and What Really Counts. *Academy of Management Review*, *22*, 853–886. https://doi.org/10.5465/amr.1997.9711022105

Mitchell, R. K., Agle, B. R., & Wood, D. J. (1997). Toward a Theory of Stakeholder Identification and Salience: Defining the Principle of Who and What Really Counts. In *Source: The Academy of Management Review* (Vol. 22, Number 4).

Mohammadpour, P., Viegas, D., & Viegas, C. (2022). Vegetation Mapping with Random Forest Using Sentinel 2 and GLCM Texture Feature - A Case Study for Lousã Region, Portugal. *Remote. Sens.*, *14*, 4585. https://doi.org/10.3390/rs14184585

Mucheye, T., Haro, S., Papaspyrou, S., & Caballero, I. (2022). Water Quality and Water Hyacinth Monitoring with the Sentinel-2A/B Satellites in Lake Tana (Ethiopia). *Remote. Sens.*, *14*, 4921. https://doi.org/10.3390/rs14194921

UNIVERSITAS
GADJAH MADA
Implementasi kebijakan mitigasi bencana: analisis kesenjangan spasial di Rawa Pening, Jawa Tengah
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Munene, M. B., Swartling, Å. G., & Thomalla, F. (2018). Adaptive governance as a catalyst for transforming the relationship between development and disaster risk through the Sendai Framework? *International Journal of Disaster Risk Reduction*, *28*, 653–663. https://doi.org/10.1016/J.IJDRR.2018.01.021

Myers, R., & Hansen, C. P. (2020). Revisiting A Theory of Access: A review. *Society and Natural Resources*, *33*(2), 146–166. https://doi.org/10.1080/08941920.2018.1560522

Neumann, A., Kim, D. K., Perhar, G., & Arhonditsis, G. B. (2017). Integrative analysis of the Lake Simcoe watershed (Ontario, Canada) as a socio-ecological system. *Journal of Environmental Management*, *188*, 308–321. https://doi.org/10.1016/j.jenvman.2016.11.073

Noory, B., Hassanain, S., & Kassak, K. (2024). The implementation process of decentralization of health services: a qualitative perspective from Sudan. *Frontiers in Public Health*, *12*. https://doi.org/10.3389/fpubh.2024.1439219

Nudzor, H. P. (2021). Re-conceptualizing the paradox in (education) policy implementation: Unravelling perspectives on the policy/practice gap. In *Re-Conceptualizing the Paradox in (Education) Policy Implementation: Unravelling Perspectives on the Policy/Practice Gap*. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108924629&partnerID=40&md5=ce2bd299d69945d7cbb97923ca20cfe6

Nugroho, A., Sanjaya, N., & X, J. (2021). The Causes of Failure of Decentralization in the Implementation of Local Government. *International Journal of Scientific Engineering and Research*. https://doi.org/10.70729/se21909154201

Ollachica, D. H., Asante, B. K. A., & Imamura, H. (2025). Advancing Water Hyacinth Recognition: Integration of Deep Learning and Multispectral Imaging for Precise Identification. *Remote Sensing*. https://doi.org/10.3390/rs17040689

Pádua, L., Duarte, L., Antão-Geraldes, A. M., Sousa, J. J., & Castro, J. P. (2022). Spatio-Temporal Water Hyacinth Monitoring in the Lower Mondego (Portugal) Using Remote Sensing Data. *Plants*, *11*(24). https://doi.org/10.3390/plants11243465

Paulangan, Y. P., Barapadang, B., Amin, M. A. A., & Tangkelayuk, H. (2021). Social-ecological system in Depapre Bay Area of Jayapura Papua Indonesia. *IOP Conference Series: Earth and Environmental Science*, *890*(1). https://doi.org/10.1088/1755-1315/890/1/012070

Peluso, N. L. (1992). *Rich Forests, Poor People: Resource Control and Resistance in Java*. University of California Press.

Peraturan Daerah Kabupaten Semarang Nomor 6 Tahun 2023 Tentang Rencana Tata Ruang Wilayah Kabupaten Semarang Tahun 2023 - 2043 (2023).

Poikane, S., Kelly, M. G., Free, G., Carvalho, L., Hamilton, D. P., Katsanou, K., Lürling, M., Warner, S., Spears, B. M., & Irvine, K. (2024). A global assessment of lake restoration in practice: New insights and future perspectives. *Ecological Indicators*, *158*. https://doi.org/10.1016/j.ecolind.2023.111330

Pouladi, P., Badiezadeh, S., Pouladi, M., Yousefi, P., Farahmand, H., Kalantari, Z., Yu, D. J., & Sivapalan, M. (2021). Interconnected governance and social barriers impeding the restoration process of Lake Urmia. *Journal of Hydrology*, *598*. https://doi.org/10.1016/j.jhydrol.2021.126489

Pouladi, P., Nikraftar, Z., Pouladi, M., & Muller, M. (2024). Socio-hydrological lock-in; an emergent phenomenon in the face of anthropogenic drought. *Journal of Environmental Management*, *373*, 123318. https://doi.org/10.1016/j.jenvman.2024.123318

Pradana Gustav, R., & Purnomo Ari, D. (2022, May 11). *DPRD Kabupaten Semarang Minta Pemerintah Tak Hanya Seremonial saat Buka Pintu Air Tuntang*. Tribunjateng.Com. https://jateng.tribunnews.com/2022/05/11/dprd-kabupaten-semarang-minta-pemerintah-tak-hanya-seremonial-saat-buka-pintu-air-tuntang

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Pribadi, B., & Rahadi, F. (2022, August 18). Alasan Petani Rawapening Gelar Upacara HUT Kemerdekaan di Batas Sempadan Danau. *Republika Online*. https://rejogja.republika.co.id/berita/rgs9a0291/alasan-petani-rawapening-gelar-upacara-hut-kemerdekaan-di-batas-sempadan-danau

Qi, J., Chehbouni, A., Huete, A. R., Kerr, Y. H., & Sorooshian, S. (1994). A modified soil adjusted vegetation index. *Remote Sensing of Environment*, *48*(2), 119 – 126. https://doi.org/10.1016/0034-4257(94)90134-1

Quarantelli, E. L. (1998). *What is a Disaster? Perspectives on the Question* (E. L. Quarantelli, Ed.). Routledge.

Raikes, J., Smith, T. F., Baldwin, C., & Henstra, D. (2022). Disaster risk reduction and climate policy implementation challenges in Canada and Australia. *Climate Policy*, *22*(4), 534–548. https://doi.org/10.1080/14693062.2022.2048784

Ribot, J. C., & Peluso, N. L. (2003). A Theory of Access. *Rural Sociology*, *68*(2), 153–181.

Saefudin, A., Nadiroh, & Achmad, R. (2019). Policy implementation evaluation about quality management and pollution control of water in Regency of Bekasi. *IOP Conference Series: Earth and Environmental Science*, *314*(1). https://doi.org/10.1088/1755-1315/314/1/012087

Sager, F., & Gofen, A. (2022). The polity of implementation: Organizational and institutional arrangements in policy implementation. *Governance*, *35*(2), 347–364. https://doi.org/10.1111/gove.12677

Sager, Fritz., Mavrot, C., & Keiser, L. R. . (2024). *Handbook of public policy implementation*. Edward Elgar Publishing Limited.

Sanderson, I. (2002). Evaluation, Policy Learning and Evidence-Based Policy Making. *Public Administration*, *80*, 1–22. https://doi.org/10.1111/1467-9299.00292

Sari, D. N., & Wismoyo, G. S. (2024). Spatio-Temporal Analysis of Water Hyacinth Density (Eichhornia crassipes) in Lake Rawa Pening 2019 - 2023 Using NDVI Algorithm on Google Earth Engine (GEE). *IOP Conference Series: Earth and Environmental Science*, *1406*(1). https://doi.org/10.1088/1755-1315/1406/1/012022

Scott, J. (1985). *Weapons of the Weak*. https://doi.org/10.12987/9780300153620

Shackleton, R. T., Biggs, R., Richardson, D. M., & Larson, B. M. H. (2018). Social-ecological drivers and impacts of invasion-related regime shifts: consequences for ecosystem services and human wellbeing. *Environmental Science and Policy*, *89*, 300–314. https://doi.org/10.1016/j.envsci.2018.08.005

Sharip, Z., Zakaria, S., Md Noh, M. N., Nakamura, M., & Muhandiki, V. (2021). A review of the importance, gaps and future directions of Integrated Lake Basin Management Planning in Malaysia. In *Lakes and Reservoirs: Science, Policy and Management for Sustainable Use* (Vol. 26, Number 2). John Wiley and Sons Inc. https://doi.org/10.1111/lre.12355

Shen, J., He, P., Sun, X., Shen, Z., & Xu, R. (2023). Impact Eichhornia crassipes Cultivation on Water Quality in the Caohai Region of Dianchi Lake Using Multi-Temporal Sentinel-2 Images. *Remote Sensing*, *15*(9). https://doi.org/10.3390/rs15092260

Sheng, Z., & Zhou, Q. (2023). Power space and governance performance: An analysis based on the Shanghai Urban Neighborhood Survey. *Chinese Journal of Sociology*, *9*, 95–126. https://doi.org/10.1177/2057150x221150141

Shkaruba, A., Mnatsakanian, R., Molodikova, I., Kireyeu, V., & Sepp, K. (2024). Why is the eutrophication governance over the Lake of Baikal failing? Land use governance solutions need to account for barriers across sectors, scales, and actor groups. *Land Use Policy*, *141*. https://doi.org/10.1016/j.landusepol.2024.107136

Sikor, T., & Lund, C. (2009). Access and Property: A Question of Power and Authority. *Development and Change*, *40*(1), 1–22. https://doi.org/10.1111/j.1467-7660.2009.01503.x

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GADJAH MADA
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Singh, A. (1989). Digital change detection techniques using remotely sensed data. *International Journal of Remote Sensing*, *10*(6), 989–1003. https://doi.org/10.1080/01431168908903939

Soeprobowati, T., Prasetyo, S., & Anggoro, S. (2021). The Growth Rate of Water Hyacinth (Eichhornia crassipes (Mart.) Solms) in Rawapening Lake, Central Java. *Journal of Ecological Engineering*, *22*, 222–231. https://doi.org/10.12911/22998993/137678

Sulistyaningsih, T., Nurmandi, A., Salahudin, S., Roziqin, A., Kamil, M., Sihidi, I., Romadhan, A., & Loilatu, M. (2021). Public Policy Analysis on Watershed Governance in Indonesia. *Sustainability*. https://doi.org/10.3390/su13126615

Tammeorg, O., Chorus, I., Spears, B., Nõges, P., Nürnberg, G. K., Tammeorg, P., Søndergaard, M., Jeppesen, E., Paerl, H., Huser, B., Horppila, J., Jilbert, T., Budzyńska, A., Dondajewska-Pielka, R., Gołdyn, R., Haasler, S., Hellsten, S., Härkönen, L. H., Kiani, M., … Lürling, M. (2024). Sustainable lake restoration: From challenges to solutions. *Wiley Interdisciplinary Reviews: Water*, *11*(2). https://doi.org/10.1002/wat2.1689

Tim Pengelolaan Danau Rawapening Provinsi Jawa Tengah. (2019). *Rencana Pengelolaan Danau Rawapening*.

Tucker, C. J. (1979). Red and photographic infrared linear combinations for monitoring vegetation. *Remote Sensing of Environment*, *8*(2), 127–150. https://doi.org/https://doi.org/10.1016/0034-4257(79)90013-0

UNDRR. (2015). *Sendai Framework for Disaster Risk Reduction 2015-2030*. UNISDR.

UNDRR. (2020). *Terminology on Disaster Risk Reduction*. United Nations Office for Disaster Risk Reduction.

Vallet, A., Locatelli, B., Barnaud, C., Makowski, D., Conde, Y. Q., & Levrel, H. (2020). Power asymmetries in social networks of ecosystem services governance. *Environmental Science & Policy*. https://doi.org/10.1016/j.envsci.2020.08.020

Vani, V., & Mandla, V. R. (2017). Comparative study of NDVI and SAVI vegetation indices in Anantapur district semi-arid areas. *International Journal of Civil Engineering and Technology*, *8*(4), 559 – 566. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019102245&partnerID=40&md5=1b80b17b2d4f7e247c0e842744a9f917

Veltri, G. (2025). From evidence to delivery: an Implementation-Science blueprint for behavioural policy. *Behavioural Public Policy*. https://doi.org/10.1017/bpp.2025.10018

Wahyono, A., Yoga, G. P., Subehi, L., Rustini, H. A., Fakhrudin, M., Apip, A., Ridwansyah, I., & Samir, O. (2025). Building a collaborative environmental governance for sustainable management of a volcanic lake at the Dieng Plateau in Central Java Indonesia. *Integrated Environmental Assessment and Management*, *21*(4), 833–842. https://doi.org/10.1093/inteam/vjaf020

Walch, C. (2019). Adaptive governance in the developing world: disaster risk reduction in the State of Odisha, India. *Climate and Development*, *11*, 238–252. https://doi.org/10.1080/17565529.2018.1442794

Wang, C., Medaglia, R., & Zheng, L. (2018). Towards a typology of adaptive governance in the digital government context: The role of decision-making and accountability. *Government Information Quarterly*, *35*(2), 306–322. https://doi.org/10.1016/J.GIQ.2017.08.003

Wen, G., & Wu, P. (2025). Does Proximity Enhance Compliance? Investigating the Geographical Distance Decay in Vertical Supervision of Non-Grain Cultivation on China's Arable Land? *Land*. https://doi.org/10.3390/land14040701

Wisner, B., Blaikie, P., Cannon, T., & Davis, I. (2004). *At Risk: Natural Hazards, People's Vulnerability and Disasters* (2nd ed.). Routledge.

Wulandari, D., Kurniani, D., Edhisono, S., Ardianto, F., & Dahlan, D. (2019). The effect of small dams in Rawa Pening catchment area on sedimentation rate of Rawa Pening

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GADJAH MADA
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Lake. *MATEC Web of Conferences*. https://doi.org/10.1051/matecconf/201927004018

Xu, L., Chen, S., Guo, Z., Yuan, Y., Xu, Y., & Zhang, J. (2025). Understanding water governance based on the social-ecological system framework integrating stakeholder perspective: A case study of aquaculture pollution governance in Taihu Lake, China. *Environmental Impact Assessment Review*. https://doi.org/10.1016/j.eiar.2025.107951

Yang, C., Nan, J., Li, J., Lin, Y., Yu, J., Wu, J., & Shen, X. (2021). The role of mechanical harvesting on the recession of aquatic vegetation under an extreme water level increase in a eutrophic shallow lake. *Environmental Science and Pollution Research*, *28*, 61682–61695. https://doi.org/10.1007/s11356-021-15143-3

Yu, J., Xian, Q., Cheng, S., & Chen, J. (2024). Horizontal ecological compensation policy and water pollution governance: Evidence from cross-border cooperation in China. *Environmental Impact Assessment Review*, *105*. https://doi.org/10.1016/j.eiar.2023.107367

Zekarias, T., Govindu, V., Kebede, Y., & Gelaw, A. (2021). Degradation of wetlands and livelihood benefits of Lake Abaya-Chamo wetland, southern Ethiopia. *Current Research in Environmental Sustainability*, *3*. https://doi.org/10.1016/j.crsust.2021.100060

Zhou, C., Zhang, X., Guo, Y., Hu, S., Tang, Y., Li, T., Wang, T., & Yang, C. (2021). Structural and histochemical analyses of the vegetative organs of Eichhornia crassipes. *Botany Letters*, *168*, 458–466. https://doi.org/10.1080/23818107.2021.1902389