

Daftar Pustaka

- Acta Innovations. (2025). Perceptions and policy implications of water pump irrigation in Indramayu Regency, West Java. <https://www.actainnovations.com/index.php/pub/article/view/496>
- Adelle, C., & Weiland, S. (2012). Policy assessment: The state of the art. *Impact Assessment and Project Appraisal*, 30(1), 25–33.
- Adiwibowo, S., Mardiana, R., & Saptomo, S. (2024). Dampak ekstraksi air tanah terhadap keberlanjutan irigasi pompa di wilayah pertanian intensif. *Jurnal Sumberdaya Air Indonesia*, 20(1), 45–58.
- Adiwibowo, S., Mardiana, R., & Saptomo, S. K. (2024). Pemodelan dampak pompanisasi intensif terhadap dinamika air tanah di cekungan Indramayu. *Jurnal Sumberdaya Lahan dan Air*, 15(1), 45–62.
- Adiwibowo, S., Hadi, S.P., & Santoso, A. (2024). Kajian Pompanisasi Pantura Jawa. *Jurnal Pertanian Berkelanjutan*, 15(1), 112-130.
- Adiwibowo, S., Hadi, S.P., Santoso, A., & Wijaya, R. (2024). Solidaritas Kelompok Tani dan Efektivitas Irigasi. *Journal of Agricultural Policy*, 12(2), 45-60.
- Adger, W. N., Hughes, T. P., Folke, C., Carpenter, S. R., & Rockström, J. (2005). Social-ecological resilience to coastal disasters. *Science*, 309(5737), 1036-1039.
- Agus Hartono. (2021). Analisis harga gabah dan kesejahteraan petani padi di Kabupaten Indramayu. *Jurnal Agribisnis dan Ekonomi Pertanian*, 12(3), 102-115.
- Aini, S. & Mukhlis, I. (2019). Dampak Sosial Ekonomi Teknologi Pompanisasi terhadap Kesejahteraan Petani.
- Ali, E. B., et al. (2021). SWOT–AHP approach in agricultural development strategy. *Sustainability*.
- Antara News. (2024). Potential of solar-powered pumps to water rainfed rice fields. <https://en.antaranews.com/news/244493/potential-of-solar-powered-pumps-to-water-rainfed-rice-fields>
- Badan Pusat Statistik. (2021). Statistik produksi padi di Kabupaten Indramayu. Jakarta: BPS.
- Badan Pusat Statistik. (2023). Statistik pertanian 2023. Jakarta: BPS.
- Badan Pusat Statistik Kabupaten Indramayu. (2023). Kabupaten Indramayu dalam angka 2023. BPS Kabupaten Indramayu.
- Badan Pusat Statistik. (2025). Kabupaten Indramayu dalam angka 2025. Badan Pusat Statistik.
- Balai Besar Peramalan Organisme Pengganggu Tumbuhan (BBPOPT). (2024). Laporan Pemantauan Pompanisasi Indramayu. Kementerian Pertanian.

- Bannock, G., Baxter, R.E., & Rees, R. (2011). *Economics: Key Terms and Concepts*. Penguin Books.
- Bardhan, P. (2000). Irrigation and cooperation: An empirical analysis of 48 irrigation communities in South India. *Economic Development and Cultural Change*, 48(4), 847–865.
- Bardhan & Dayton-Johnson. (2002). *Unequal Irrigators*. Handbook of Agricultural Economics.
- Bardhan, P., & Dayton-Johnson, J. (2002). "Unequal Irrigators: Heterogeneity and Participation in Local Commons Management." *Science*, 295(5545).
- Besley, T. (1995). Property rights and investment incentives: Theory and evidence from Ghana. *Journal of Political Economy*, 103(5), 903–937. Development. Cambridge University Press.
- Bouman, B. A. M., Lampayan, R. M., & Tuong, T. P. (2007). *Water Management in Irrigated Rice*. IRRI.
- Bryson, J. M. (2018). *Strategic planning for public and nonprofit organizations* (5th ed.). Jossey-Bass.
- DAERA. (2025). Sustainable Agriculture Programme: Impact Assessments. <https://www.daera-ni.gov.uk/articles/sustainable-agriculture-programme-impact-assessments>
- Darma, R., et al. (2025). Institutional responses to floods and droughts in pump-based irrigation systems in Indonesia. *Sustainability*.
- Darmawan, A., Hartono, D., & Septyanto, D. (2024). Disparitas efektivitas program pompanisasi pada usahatani padi di wilayah pantura Jawa. *Jurnal Ekonomi dan Kebijakan Pembangunan*, 12(2), 134–152.
- Darmawan, I.G.N.A., Pratiwi, N.P.A., & Suryantini, A. (2024). Studi Kelayakan Pompanisasi. *Jurnal Teknik Pertanian*, 20(2), 78-92.
- Darmawan, I.G.N.A., Pratiwi, N.P.A., Suryantini, A., & Widodo, S. (2024). Analisis Ekonomi Pompanisasi. *Jurnal Ekonomi Pertanian Indonesia*, 14(1), 34-50.
- Darmawan, R., Hartono, D., & Septyanto, A. (2024). Evaluasi pemanfaatan pompanisasi pada sentra produksi padi pantai utara Jawa. *Jurnal Kebijakan Pertanian*, 12(2), 101–118.
- Dawe, D. (2021). The economics of rice production: Sustainability under climate and market pressures. *Food Policy*, 102, 102104.
- Dinas Ketahanan Pangan dan Pertanian (DKPP) Kabupaten Indramayu. (2023–2024). *Laporan Program Pompanisasi*. DKPP Indramayu.
- Dinas Ketahanan Pangan dan Pertanian. (2024). *Target Kinerja RPJMD Pompanisasi*. DKPP Indramayu.
- Dinas Lingkungan Hidup Kabupaten Indramayu. (2023). *Laporan pemantauan kualitas air tanah tahun 2023*. Pemerintah Kabupaten Indramayu.

- Dinas Pekerjaan Umum dan Penataan Ruang Provinsi Jawa Barat. (2023). Laporan evaluasi infrastruktur irigasi Provinsi Jawa Barat 2023. Pemerintah Provinsi Jawa Barat.
- Dinas Pekerjaan Umum dan Penataan Ruang Provinsi Jawa Barat. (2023). Laporan kondisi jaringan irigasi Provinsi Jawa Barat. Pemerintah Provinsi Jawa Barat.
- Dinas Pertanian Kabupaten Indramayu. (2023). Laporan pelaksanaan program pompanisasi tahun 2020–2023. Pemerintah Kabupaten Indramayu.
- Dinas Pertanian Kabupaten Indramayu. (2023). Laporan realisasi program pompanisasi tahun anggaran 2020-2023. Pemerintah Kabupaten Indramayu.
- Direktorat Jenderal Prasarana dan Sarana Pertanian (Ditjen PSP). (2024). Pedoman Irigasi Perpompaan. Kementerian Pertanian.
- Dobermann, A., & Fairhurst, T. (2000). Rice: Nutrient Disorders and Nutrient Management. International Rice Research Institute.
- Dobermann, A., Witt, C., & Dawe, D. (2002). Increasing productivity of intensive rice systems through site-specific nutrient management. Science Publishers.
- Dunn, W. N. (2003). Public policy analysis: An introduction (3rd ed.). Pearson Education.
- Dunn, W. N. (2018). Public Policy Analysis: An Integrated Approach (6th ed.). New York: Routledge.
- Feder, G., Just, R., & Zilberman, D. (1985). Adoption of agricultural innovations in developing countries. *Economic Development and Cultural Change*, 33(2), 255–298.
- Feder, G., & Feeny, D. (1991). Land tenure and property rights: Theory and implications for development policy. *World Bank Economic Review*, 5(1), 135–153.
- Feder, G., Just, R., & Zilberman, D. (1985). Adoption of agricultural innovations in developing countries. *Economic Development and Cultural Change*, 33(2), 255–298.
- Firdaus, M., Ariani, M., & Siregar, H. (2023). Diskoneksi kebijakan dan implementasi: Studi kasus program pompanisasi di Jawa Barat. *Jurnal Analisis Kebijakan Pertanian*, 21(3), 223–240.
- Ghozali, I. (2018). Aplikasi Analisis Multivariate dengan Program IBM SPSS. Semarang: UNDIP.
- Hall, P. A., & Soskice, D. (2001). *Varieties of Capitalism: The Institutional Foundations of Comparative Advantage*. Oxford University Press.
- Handoko, D. (2021). Efektivitas Kebijakan Pemerintah dalam Pengembangan Teknologi Irigasi di Sektor Pertanian. (sumber: penelitian/tesis/laporan).
- Head, B. W. (2010). Evidence-based policy: Principles and requirements. *Strengthening Evidence-based Policy in the Australian Federation*, Volume 1. Canberra: Australian National University Press.

- Hill, M., & Varone, F. (2017). *The public policy process* (7th ed.). Routledge.
- Howlett, M. (2019). *The Policy Design Primer: Choosing the Right Tools for the Job*. London: Routledge.
- Hussain, I., & Hanjra, M. A. (2004). Irrigation and poverty alleviation: review of the empirical evidence. *Irrigation and Drainage*, 53, 1–15.
- Gujarati, D. N., & Porter, D. C. (2009). *Basic Econometrics* (5th ed.). McGraw-Hill.
- <https://research.manchester.ac.uk/en/publications/impact-of-irrigation-pump-ownership-on-farm-productivity-in-rice/>
- IJRSS. (2025). Impact of irrigation modernization on rice productivity in the Special Region of Yogyakarta. https://ijrss.com/_index_.php/ijrss/_article/view/10219
- IPCC. (2022). *Climate Change 2022: Impacts, Adaptation and Vulnerability*. Cambridge University Press.
- Iskandar, M. (2021). Analisis Kebijakan Teknologi Pompanisasi dan Efeknya terhadap Produktivitas Padi di Wilayah Suboptimal.
- Adhikari, R., Foster, T., Paudel, G. P., & Krupnik, T. J. (2020). Irrigation technology adoption, land tenure, and energy costs: Evidence from smallholder rice systems. *Agricultural Water Management*, 239, 106247.
- Jaruda. (2024). Perception of paddy rice farmers towards the use of pump irrigation. <https://jaruda.org/index.php/go/article/view/195>
- Kementerian Pertanian. (2020). *Rencana strategis Kementerian Pertanian 2020–2024*. Kementerian Pertanian Republik Indonesia.
- Kementerian Pertanian. (2023). *Program Nasional Pompanisasi 1 Juta Ha. Ditjen PSP*.
- Kementerian Pertanian. (2025). *Program pompanisasi nasional 2025*
- Kementerian PUPR. (2024). *Program nasional pompanisasi sawah. (Dokumen kebijakan internal)*.
- Kurniawan, A.B., Susilo, H., & Nugroho, A.D. (2023). ROI Program Irigasi Pompa. *Jurnal Agribisnis Indonesia*, 11(3), 201-218.
- Kurniawan, T., Sutarto, E., & Priyanto, A. (2023). Analisis keberlanjutan operasional pompa irigasi bantuan pemerintah. *Jurnal Agribisnis dan Pembangunan Pertanian*, 22(3), 233–247.
- Kurniawan, R., Sutarto, E., & Priyanto, S. (2023). Dinamika konflik pengelolaan air irigasi pasca-program pompanisasi di Daerah Irigasi Cimanuk. *Jurnal Manajemen dan Organisasi*, 14(2), 89–107.
- Ladha, J. K., Pathak, H., Krupnik, T., Six, J., & van Kessel, C. (2003). Efficiency of fertilizer nitrogen in cereal production. *Advances in Agronomy*, 87, 85–156.
- Meinzen-Dick, R., Raju, K. V., & Gulati, A. (2002). What affects organization and collective action for managing resources? Evidence from canal irrigation systems in India. *World Development*, 30(4), 649–666.

- Meinzen-Dick, R. (2007). Beyond panaceas in water institutions. *Proceedings of the National Academy of Sciences*, 104(39), 15200–15205.
- Meinzen-Dick, R., Janssen, M.A., Kandulu, J., & Rubenstein, A. (2018). *Irrigation Governance: Collective Action and Local Commons*. International Food Policy Research Institute (IFPRI).
- Molden, D., Oweis, T., Steduto, P., et al. (2010). Improving agricultural water productivity. *Agricultural Water Management*, 97, 528–535.
- Muralidharan, K., Prakash, N., & Shah, A. (2020). Irrigation Subsidies and Groundwater Depletion. *American Economic Journal: Applied Economics*, 12(3), 1-35.
- Musyoki, A., et al. (2022). Factors influencing adoption of irrigation technologies among smallholder farmers in Machakos County, Kenya. *Kasetsart University Repository*. <https://ir-library.ku.ac.ke/items/a896278a-017b-4547-b45a-4ce159ec3b1f>
- Nicholson, W., & Snyder, C. (2012). *Microeconomic Theory: Basic Principles and Extensions* (11th ed.). Cengage Learning.
- North, D. C. (1990). *Institutions, Institutional Change and Economic Performance*. Cambridge University Press.
- Nugroho, S. & Permadi, W. (2016). *Kajian Penerapan Pompanisasi di Daerah Irigasi untuk Meningkatkan Produktivitas Pertanian*.
- OECD. (2008). *Building an Institutional Framework for Regulatory Impact Analysis (RIA): Guidance for Policy Makers*. Paris: OECD Publishing.
- OECD. (2020). *Regulatory Policy Outlook 2020*. Paris: OECD Publishing.
- One Earth. (2025). Solar irrigation: How Indonesian farmers resist drought and save money. <https://www.oneearth.org/solar-irrigation-how-indonesian-farmers-resist-drought-and-save-money/>
- Ostrom, E. (1990). *Governing the Commons: The Evolution of Institutions for Collective Action*. Cambridge University Press.
- Ostrom, E. (2009). *Understanding Institutional Diversity*. Princeton University Press.
- Otsuka, K., & Hayami, Y. (1988). Theories of share tenancy: A critical survey. *Economic Development and Cultural Change*, 37(1), 31–68.
- Parsons, W. (2001). *Public Policy: An Introduction to the Theory and Practice of Policy Analysis*. Cheltenham: Edward Elgar.
- Pemerintah Kabupaten Indramayu. (2024). *Website Resmi Pemkab Indramayu: Program Irigasi Pompa*.
- Permatasari, D., Jamil, A., & Hidayat, K. (2024). Analisis ekonomi usahatani padi dengan teknologi pompanisasi di Kabupaten Indramayu. *Jurnal Ekonomi Pertanian*, 25(1), 67–84.
- Pingali, P. L., Hossain, M., & Gerpacio, R. V. (1997). *Asian rice bowls: The returning crisis?* CAB International.

- Pingali, P. (2007). Agricultural mechanization: adoption patterns and economic impact. *Handbook of Agricultural Economics*, 3, 2779–2805.
- Prasetyo, B., Wahyuni, S., & Zulkarnain. (2022). Korelasi antara variabilitas curah hujan dan produktivitas padi di lahan tadah hujan Indramayu. *Agricultural Socio-Economics Journal*, 8(3), 156–172.
- Pressman, J. L., & Wildavsky, A. (1984). *Implementation: How Great Expectations in Washington Are Dashed in Oakland* (3rd ed.). Berkeley: University of California Press.
- Pretty, J., & Bharucha, Z. P. (2015). Integrated pest management for sustainable intensification of agriculture. *Insects*, 6(1), 152–182.
- Putnam, R. D. (2000). *Bowling Alone: The Collapse and Revival of American Community*. Simon & Schuster.
- Rachman, B., Saptana, & Purwantini, T. B. (2018). Kinerja kelembagaan pengelolaan irigasi di Jawa Barat. *Jurnal Agro Ekonomi*, 36(1), 1–18.
- Radaelli, C. M. (2010). Rationality, power, management and symbols: Four images of regulatory impact assessment. *Scandinavian Political Studies*, 33(2), 164–188.
- Radaelli, C. M., & De Francesco, F. (2010). Regulatory Impact Assessment, Quality of Regulation and the Policy Process: Evidence from Four EU Countries. *Comparative European Politics*, 8(4), 415–443.
- Rifai, A., Kasijadi, & Mulyono, A. (2023). Dampak pompanisasi terhadap kualitas air tanah di wilayah pesisir Indramayu. *Jurnal Lingkungan dan Pembangunan Berkelanjutan*, 9(2), 112–128.
- Rogers, E. (2003). *Diffusion of Innovations*. Free Press.
- Rosegrant, M. W., & Cline, S. A. (2003). Global food security: challenges and policies. *Science*, 302(5652), 1917–1919.
- Ladha, J. K., Pathak, H., Krupnik, T. J., Six, J., & van Kessel, C. (2003). Efficiency of fertilizer nitrogen in cereal production: retrospects and prospects. *Advances in Agronomy*, 87, 85–156.
- Sanderson, I. (2002). Evaluation, Policy Learning and Evidence-based Policy Making. *Public Administration*, 80(1), 1–22.
- Saptana, Sumaryanto, & Ashari. (2017). Dampak infrastruktur irigasi terhadap kinerja usahatani padi. *Jurnal Agro Ekonomi*, 35(2), 101–120.
- Saptana, Sumaryanto, & Ashari. (2018). Dinamika kesuburan tanah sawah di sentra produksi padi. *Jurnal Agro Ekonomi*, 36(2), 101–115.
- Saptana, Sumaryanto, & Ashari. (2020). Penguatan kelembagaan ekonomi petani dalam mendukung keberlanjutan usaha tani. *Jurnal Agro Ekonomi*, 38(1), 45–60.
- Sari, P., & Nugroho, B. (2023). Transformasi kelembagaan pengelolaan air irigasi pasca-program pompanisasi: Studi etnografi di Kabupaten Indramayu. *Jurnal Sosiologi Pedesaan*, 11(1), 34–52.

- Science Publishing Group. (2023). Determinants of the adoption of small-scale irrigation technology. <https://www.sciencepublishinggroup.com/article/10.11648/j.ijaas.20230906.13>
- Scottish Government. (2024). Agriculture and Rural Communities (Scotland) Bill: Business and Regulatory Impact Assessment. <https://www.gov.scot/publications/agriculture-rural-communities-scotland-bill-business-regulatory-impact-assessment/>
- Setiawan, I., Mulyani, A., & Sarwono, E. (2023). Karakteristik dan produktivitas sawah tadah hujan di Jawa Barat. *Jurnal Ilmu Pertanian Indonesia*, 28(2), 189–201.
- Setiawan, D., Mulyani, A., & Sarwono, S. (2023). Variabilitas luas tanam padi pada lahan tadah hujan di Kabupaten Indramayu. *Jurnal Tanah dan Iklim*, 47(1), 29–41.
- Setkab. (2024). Press statement on water pump assistance for rice field irrigation. <https://setkab.go.id/en/press-statement-of-president-of-the-republic-of-indonesia-after-inspecting-water-pump-assistance-for-rice>
- Shah, T. (2007). *Taming the Anarchy: Groundwater Governance in South Asia*. RFF Press.
- Shah, T., Makin, I., & Sakthivadivel, R. (2019). *Groundwater Pumping and Sustainability in India*. World Bank Report.
- Shrestha, R. B., et al. (2025). Impact of irrigation pump ownership on farm productivity in rice-based systems. University of Manchester. <https://research.manchester.ac.uk/en/publications/impact-of-irrigation-pump-ownership-on-farm-productivity-in-rice/>
- Simatupang, P. (2003). Analisis kebijakan pembangunan pertanian. *Forum Penelitian Agro Ekonomi*, 21(2), 75–92.
- Simatupang, P., & Timmer, C. P. (2008). Indonesian rice production: policies and realities. *Bulletin of Indonesian Economic Studies*, 44(1), 65–79.
- Soekartawi. (2003). *Prinsip Dasar Ekonomi Pertanian*. Jakarta: Raja Grafindo Persada.
- Soekartawi. (2003). *Teori ekonomi produksi dengan pokok bahasan analisis fungsi Cobb-Douglas*. PT RajaGrafindo Persada.
- Sumaryanto & Siregar, M. (2014). Kelembagaan pengelolaan irigasi dan keberlanjutan produksi padi. *Jurnal Agro Ekonomi*, 32(2), 123–140.
- Sumaryanto, Saptana, & Ashari. (2019). Dinamika biaya operasional irigasi pompa di sentra produksi padi. *Jurnal Agro Ekonomi*, 37(2), 85–99.
- Bouman, B. A. M., & Tuong, T. P. (2001). Field water management to save water and increase productivity in irrigated rice. *Agricultural Water Management*, 49, 11–30.
- Suryani, E., Tambunan, M., & Suryana, A. (2024). Stagnasi produktivitas padi nasional: Analisis faktor struktural dan kebijakan. *Jurnal Agro Ekonomi*, 42(1), 23–45.

- Takeshima, H., Nin-Pratt, A., & Diao, X. (2013). Mechanization and agricultural technology evolution. *Food Policy*, 38, 43–56.
- UGM ETD. (2001). Kinerja P3A Irigasi Tersier. Tesis UGM.
- Vedung, E. (2017). *Public Policy and Program Evaluation*. New Brunswick: Transaction Publishers.
- Wehrich, H. (1982). The TOWS Matrix—A Tool for Situational Analysis. *Long Range Planning*, 15(2), 54–66.
- Widodo. (2015). Penentuan strategi implementasi modernisasi irigasi berbasis lima pilar. UGM Repository. <https://etd.repository.ugm.ac.id/penelitian/detail/85608>
- Wijaya, H., & Hidayat, R. (2024). Faktor-faktor yang memengaruhi tingkat adopsi teknologi pompanisasi di kalangan petani padi. *Jurnal Penyuluhan Pertanian*, 19(1), 56–73.
- Wiranata, B. & Sumarsono, P. (2018). Teknologi Pompanisasi dan Dampaknya terhadap Produktivitas Lahan Pertanian di Jawa Barat. (sumber: dokumen penelitian lokal).
- Wooldridge, J. M. (2013). *Introductory Econometrics: A Modern Approach* (5th ed.). Cengage Learning.
- Zeller, M., Diagne, A., & Mataya, C. (1997). Market access by smallholder farmers. *World Development*, 25(3), 219–229.
- Bouman, B. A. M., Lampayan, R. M., & Tuong, T. P. (2007). *Water Management in Irrigated Rice*. IRRI.
- Zeller, M., & Sharma, M. (2000). Many borrow, more save, and all insure: implications for food and microfinance policy. *Food Policy*, 25(2), 143–167.
- Bouman, B. A. M., Lampayan, R. M., & Tuong, T. P. (2007). *Water Management in Irrigated Rice: Coping with Water Scarcity*. International Rice Research Institute.