

DAFTAR PUSTAKA

- Abdul-Rahaman, A., & Abdulai, A. (2018). Do farmer groups impact on farm yield and efficiency of smallholder farmers? Evidence from rice farmers in northern Ghana. *Food policy*, 81, 95-105. <https://doi.org/10.1016/j.foodpol.2018.10.007>
- Abraham, M., & Pingali, P. (2020). Transforming smallholder agriculture to achieve the SDGs. In *The role of smallholder farms in food and nutrition security* (pp. 173-209). Cham: Springer International Publishing.
- Achmad, M. (2008). *Tehnik Simulasi dan permodelan*. Yogyakarta: Universitas Gajah Mada.
- Adenuga, A. H., & Jack, C. (2025). The role of farmer discussion groups in promoting sustainable farming practices: Drivers of participation and environmental impact. *Ecological Indicators*, 177, 113714. <https://doi.org/10.1016/j.ecolind.2025.113714>
- Ali, A., Salman, D., Agustang, A., No., J., Saleh, S., & Kamaruddin, S. A. (2023). Social capital and community empowerment: towards sustainable agricultural. *Agricultural Research*, 11(2), 380-388. <https://doi.org/10.13189/ujar.2023.110215>
- Ali, M. M. 2016. *Kontribusi Usahatani Durian Terhadap Total Pendapatan dan Tingkat Kesejahteraan Rumah Tangga di Desa Karangsalam Kecamatan Kemranjen Kabupaten Banyumas*. Yogyakarta: Universitas Negeri Yogyakarta
- Ambayoen, M. A., Hidayat, K., Yulianti, Y., & Cahyono, E. D. (2025). The Roots of Resilience: Strengthening Agricultural Sustainability in Tengger, Indonesia Through Social Capital. *Sustainability (Switzerland)*, 17(1). <https://doi.org/10.3390/su17010192>
- Anam, K., & Soedarto, T. (2022). Efforts to Encourage Development of Sustainable Modern Agriculture Through Empowerment of Farmer Group. *Agricultural Science*, 5(2), 91-102. <https://doi.org/10.55173/agriscience.v5i2.70>
- Anderzén, J., Luna, A. G., Luna-González, D. V., Merrill, S. C., Caswell, M., Méndez, V. E., & Jonapá, R. H. (2020). Effects of on-farm diversification strategies on smallholder coffee farmer food security and income sufficiency in Chiapas, Mexico. *Journal of Rural Studies*, 77, 33-46. <https://doi.org/10.1016/j.jrurstud.2020.04.001>
- Antle, J. M., & Ray, S. (2020). *Sustainable agricultural development*. In Palgrave Macmillan Cham (1st ed.). Springer International Publishing. <https://doi.org/10.1007/978-3-030-34599-0>
- Anwarudin, O., Sumardjo, S., Satria, A., & Fatchiya, A. (2020). The entrepreneurial capacity of young farmers on agribusiness activities in West Java. *Jurnal Penyuluhan*, 16(2), 267-276. <https://doi.org/10.25015/16202031039>
- Ari, I. R. D., Prayitno, G., Fikriyah, F., Dinanti, D., Usman, F., Prasetyo, N. E., Nugraha, A. T., & Onishi, M. (2024). Reciprocity and Social Capital for Sustainable Rural Development. *Societies*, 14(2), 14. <https://doi.org/10.3390/soc14020014>
- Arif, M. (2017). *Pemodelan Sistem*. Yogyakarta: Penerbit Deepublish.

- Attenborough, M. (2003). *Mathematics for Electrical Engineering and Computing*, 1st edition, London, Newnes.
- Aven, T. (2015). *Risk Analysis*, 2nd ed. India: John Wiley & Sons, Ltd.
- Ayoub, M. (2023). One size does not fit all: The plurality of knowledge sources for transition to sustainable farming. *Journal of Rural Studies*, 97, 243–254. <https://doi.org/10.1016/j.jrurstud.2022.12.007>
- Bachri, M. R., Lubis, Y., & Harahap, G. (2019). Faktor-Faktor Yang Memengaruhi Adopsi Inovasi Teknologi. *Jurnal Ilmiah Pertanian (JIPERTA)*, 1(2), 175-186. <https://doi.org/10.31289/jiperta.v1i2.70>
- Badan Pusat Statistik (2024a). *Statistik Indonesia 2024*. . Jakarta: Badan Pusat Statistik
- Badan Pusat Statistik (2024b). *Statistik Hortikultura 2023*. . Jakarta: Badan Pusat Statistik
- Badan Pusat Statistik. (2024c). *Produksi Buah-buahan dan Sayuran Menurut Jenis Tanaman Menurut Provinsi 2023*. Jakarta: Badan Pusat Statistik
- Badan Pusat Statistik. (2024d). *Produksi Buah-buahan dan Sayuran Tahunan Menurut Jenis Tanaman dan Kabupaten/Kota di Provinsi Jawa Tengah (kuintal) 2023*. Jawa Tengah: Badan Pusat Statistik Provinsi Jawa Tengah
- Baiyegunhi, L. J. (2024). Examining the impact of human capital and innovation on farm productivity in the KwaZulu-Natal North Coast, South Africa. *Agrekon*, 63(1-2), 51-64. <https://doi.org/10.1080/03031853.2024.2357072>
- Barbosa Junior, M., Pinheiro, E., Sokulski, C. C., Ramos Huarachi, D. A., & de Francisco, A. C. (2022). How to Identify Barriers to the Adoption of Sustainable Agriculture? A Study Based on a Multi-Criteria Model. *Sustainability*, 14(20), 13277. <https://doi.org/10.3390/su142013277>
- Barros, A. R. (2016). *Roots of Brazilian Relative Economic Backwardness*. Academic Press. <http://dx.doi.org/10.1016/B978-0-12-809756-4.00007-6>
- Becker, G., S. (1964). *Human Capital: A Theoretical and Empirical Analysis with Special Reference to Education*, First Edition. New York: National Bureau of Economic Research.
- Bordt, M. (2018). Discourses in ecosystem accounting: a survey of the expert community. *Ecological Economics*, 144, 82-99. <https://doi.org/10.1016/j.ecolecon.2017.06.032>
- Bourdieu, P. (1986). The forms of capital. In J. G. Richardson (Ed.), *Handbook of theory and research for the sociology of education*. Greenwood Press.
- Brink S. C. (2022). Sustainability: a 21st century concept?. *Trends in plant science*, 27(7), 619–620. <https://doi.org/10.1016/j.tplants.2022.05.001>
- Brodny, J., & Tutak, M. (2024). A multi-criteria measurement and assessment of human capital development in EU-27 countries: A 10-year perspective. *Journal of Open Innovation: Technology, Market, and Complexity*, 10(4), 100394. <https://doi.org/10.1016/j.joitmc.2024.100394>

- Canh, N. P., Schinckus, C., & Thanh, S. D. (2020). The natural resources rents: is economic complexity a solution for resource curse?. *Resources Policy*, 69, 101800. <https://doi.org/10.1016/j.resourpol.2020.101800>
- Challinor, A. J., Watson, J., Lobell, D. B., Howden, S. M., Smith, D. R., & Chhetri, N. (2014). A meta-analysis of crop yield under climate change and adaptation. *Nature climate change*, 4(4), 287-291. <https://doi.org/10.1038/nclimate2153>
- Chambers, R. (1994). The origins and practice of participatory rural appraisal. *World development*, 22(7), 953-969. [https://doi.org/10.1016/0305-750X\(94\)90141-4](https://doi.org/10.1016/0305-750X(94)90141-4)
- Chen, H.-C., Lin, T.-C., & Chen, Y.-H. (2025). The Impact of Social Capital and Community Empowerment on Regional Revitalization Practices: A Case Study on the Practice of University Social Responsibility Programs in Wanli and Jinshan Districts. *Sustainability*, 17(10), 4653. <https://doi.org/10.3390/su17104653>
- Chin, W. (2000, December). Partial least squares for IS researchers: an overview and presentation of recent advances using the PLS approach. In *ICIS* (Vol. 2000, pp. 741-742).
- Chou, R. J., & Huang, F. T. (2021). Building community resilience via developing community capital toward sustainability: Experiences from a Hakka settlement in Taiwan. *International Journal of Environmental Research and Public Health*, 18(17). <https://doi.org/10.3390/ijerph18179012>
- Cislaghi, B., & Heise, L. (2018). Theory and practice of social norms interventions: eight common pitfalls. *Globalization and health*, 14(1), 83. <https://doi.org/10.1186/s12992-018-0398-x>
- Costanza, R., & Daly, H. E. (1992). Natural Capital and Sustainable Development. *Conservation Biology*, 6(1), 37-46. <https://doi.org/10.1046/j.1523-1739.1992.610037.x>
- Czyżewski, B., Sapa, A., & Kułyk, P. (2021). Human capital and eco-contractual governance in small farms in Poland: Simultaneous confirmatory factor analysis with ordinal variables. *Agriculture (Switzerland)*, 11(1), 1-16. <https://doi.org/10.3390/agriculture11010046>
- de Haas, M. (2017). Measuring rural welfare in colonial Africa: did Uganda's smallholders thrive? *The Economic History Review*, 70(2), 605-631. <http://www.jstor.org/stable/45183329>
- Deperiky, D., Santosa, S., ampuh Hadiguna, R., & Nofialdi, N. (2021). Manajemen Rantai Pasok Agroindustri Bawang Merah di Nagari Alahan Panjang: Profil dan Identifikasi Masalah. *Jurnal Daya Saing*, 7(1), 73-80. <https://doi.org/10.35446/dayasaing.v7i1.626>
- Dhillon, R., & Moncur, Q. (2023). Small-Scale Farming: A Review of Challenges and Potential Opportunities Offered by Technological Advancements. *Sustainability*, 15(21), 15478. <https://doi.org/10.3390/su152115478>
- Dinas Komunikasi dan Informatika Kabupaten Banyumas. (2024). Data dan Informasi Kabupaten Banyumas 2023. Banyumas: Dinas Komunikasi dan Informatika Kabupaten Banyumas. <https://www.banyumaskab.go.id/page/15161/data-statistik>
- Edeme, R. K., Nkalu, N. C., Idenyi, J. C., & Arazu, W. O. (2020). Infrastructural development, sustainable agricultural output and employment in ECOWAS countries. *Sustainable Futures*, 2, 100010. <https://doi.org/10.1016/j.sfr.2020.100010>

- El Bilali, H., Strassner, C., & Ben Hassen, T. (2021). Sustainable agri-food systems: Environment, economy, society, and policy. *Sustainability (Switzerland)*, 13(11), 1–67. <https://doi.org/10.3390/su13116260>
- Eldridge, E., Rancourt, M.-E., Langley, A., & Héroux, D. (2022). Expanding Perspectives on the Poverty Trap for Smallholder Farmers in Tanzania: The Role of Rural Input Supply Chains. *Sustainability*, 14(9), 4971. <https://doi.org/10.3390/su14094971>
- Erum, N., & Hussain, S. (2019). Corruption, natural resources and economic growth: Evidence from OIC countries. *Resources Policy*, 63, 101429. <https://doi.org/10.1016/j.resourpol.2019.101429>
- Fitria, E. A., Utama, A. D., Suhendra, D., Harahap, E. J., Karina, I., Aisyah, S., Mustamu, N. E., & Rahman, A. (2024). *Pertanian Berkelanjutan. Sumatera Barat: Yayasan Tri Edukasi Ilmiah.*
- Food and Agriculture Organization of the United Nations (FAO). (2015). *Natural capital impacts in agriculture: Supporting better business decision-making.* Department of Economic and Social Affairs: United Nations Secretariat
- Ghozali, Imam. 2021. *Aplikasi Analisis Multivariate Dengan Program IBM SPSS 25.* Edisi 10. Semarang: Badan Penerbit Universitas Diponegoro
- Giller, K. E., Delaune, T., Silva, J. V., van Wijk, M., Hammond, J., Descheemaeker, K., van de Ven, G., Schut, A. G. T., Taulya, G., Chikowo, R. & Andersson, J. A. (2021). Small farms and development in sub-Saharan Africa: Farming for food, for income or for lack of better options?. *Food Security*, 13(6), 1431-1454. <https://doi.org/10.1007/s12571-021-01209-0>
- Gong, S., Jiang, L., & Yu, Z. (2025). Can Digital Human Capital Promote Farmers' Willingness to Engage in Green Production? Exploring the Role of Online Learning and Social Networks. *Behavioral Sciences*, 15(2), 227. <https://doi.org/10.3390/bs15020227>
- GoodStats. (2024). Indonesia mau ekspor durian ke Cina, permintaannya di 2023 tembus Rp104 triliun. Diakses pada tanggal 2 Januari 2025, <https://goodstats.id/infographic/indonesia-mau-ekspor-durian-ke-cina-permintaannya-di-2023-tembus-rp104-triliun-GdF1t>
- Green, J. F., Manski, S., E., Hansen, T., A., & Broatch, J., E. (2023). Descriptive statistics. *International Encyclopedia of Education (Fourth Edition)*, 723-733. <https://doi.org/10.1016/B978-0-12-818630-5.10083-1>
- Green, W. N. (2019). From rice fields to financial assets: Valuing land for microfinance in Cambodia. *Transactions of the Institute of British Geographers*, 44(4), 749-762. <https://doi.org/10.1111/tran.12310>
- Gross, J., & Vostroknutov, A. (2022). Why do people follow social norms?. *Current opinion in psychology*, 44, 1-6. <https://doi.org/10.1016/j.copsyc.2021.08.016>
- Gruzina, Y., Firsova, I., & Strielkowski, W. (2021). Dynamics of Human Capital Development in Economic Development Cycles. *Economies*, 9(2), 67. <https://doi.org/10.3390/economies9020067>
- Hair, J. F. (2014). *A primer on partial least squares structural equation modeling (PLS-SEM).* Thousand Oaks, CA: Sage

- Halstead, J. M., Deller, S. C., & Leyden, K. M. (2022). Social capital and community development: Where do we go from here? *Community Development*, 53(1), 92–108. <https://doi.org/10.1080/15575330.2021.1943696>
- Han, M., Liu, R., Ma, H., Zhong, K., Wang, J., & Xu, Y. (2022). The Impact of Social Capital on Farmers' Willingness to Adopt New Agricultural Technologies: Empirical Evidence from China. *Agriculture*, 12(9), 1368. <https://doi.org/10.3390/agriculture12091368>
- Hardian, E., Alwi, L. O., & Hidrawati. (2024). Ketergantungan Petani Sayuran Terhadap Tengkulak Sebagai Patron-Klien Dalam Kegiatan Pertanian (Studi Kasus Desa Wakuli Kecamatan Kapontori Kabupaten Buton). *Jurnal Ilmiah Penyuluhan Dan Pengembangan Masyarakat*, 4(1), 36-42. <http://dx.doi.org/10.56189/jippm.v4i1.4>
- Hariram, N. P., Mekha, K. B., Suganthan, V., & Sudhakar, K. (2023). Sustainalism: An Integrated Socio-Economic-Environmental Model to Address Sustainable Development and Sustainability. *Sustainability*, 15(13), 10682. <https://doi.org/10.3390/su151310682>
- Haryanto, T., Wardana, W. W., Jamil, I. R., Brintanti, A. R. D., & Ibrahim, K. H. (2023). Impact of credit access on farm performance: Does source of credit matter?. *Heliyon*, 9(9). <https://doi.org/10.1016/j.heliyon.2023.e19720>
- Haryanto, Y., Effendy, L., & Yunandar, D. T. (2021). Karakteristik petani milenial pada kawasan sentra padi di Jawa Barat. *Jurnal Penyuluhan*, 18(01), 25-35. <https://doi.org/10.25015/18202236982>
- Hoang-Khac, L., Tiet, T., To-The, N., & Nguyen-Anh, T. (2021). Impact of human capital on technical efficiency in sustainable food crop production: a meta-analysis. *International Journal of Agricultural Sustainability*, 20(4), 521–542. <https://doi.org/10.1080/14735903.2021.1949880>
- Horsley, J., Prout, S., Tonts, M., & Ali, S. H. (2015). Sustainable livelihoods and indicators for regional development in mining economies. *The Extractive Industries and Society*, 2(2), 368-380. <https://doi.org/10.1016/j.exis.2014.12.001>
- Hu, Y., Yu, H., & Yang, X. (2023). Can Rural Human Capital Improve Agricultural Ecological Efficiency? Empirical Evidence from China. *Sustainability (Switzerland)*, 15(16). <https://doi.org/10.3390/su151612317>
- Hu, Y., Zhou, Z., Zhou, L., & Liu, C. (2024). Self-Owned or Outsourced? The Impact of Farm Machinery Adoption Decisions on Chinese Farm Households' Operating Income. *Agriculture*, 14(11), 1936. <https://doi.org/10.3390/agriculture14111936>
- Ibnu, M., Offermans, A., & Glasbergen, P. (2018). Certification and farmer organisation: Indonesian smallholder perceptions of benefits. *Bulletin of Indonesian economic studies*, 54(3), 387-415. <https://doi.org/10.1080/00074918.2018.1506093>
- Ignatyeva, M., Yurak, V., & Logvinenko, O. (2020). A New Look at the Natural Capital Concept: Approaches, Structure, and Evaluation Procedure. *Sustainability*, 12(21), 9236. <https://doi.org/10.3390/su12219236>
- Imelda & Hidayat, R. (2024). Climate change impacts, adaptation and mitigation in the agricultural sector. *Global Journal of Environmental Science & Management (GJESM)*, 10(3). <https://doi.org/10.22034/gjesm.2024.03.30>

- Jeanneaux, P., Wendling, E., Desjeux, Y., Enjolras, G., & Latruffe, L. (2025). Structure and determinants of the cost of setting up a farm: The case of young farmers in Central France. *Journal of Rural Studies*, 114, 103583. <https://doi.org/10.1016/j.jrurstud.2025.103583>
- Jha, J., & Kelley, E. J. (2023). Returns to Relationships: Social Capital and Household Welfare in India. *Social Sciences*, 12(3), 184. <https://doi.org/10.3390/socsci12030184>
- Jie, Y., & Lan, J. (2024). Dynamic linkages between human capital, natural resources, and economic growth—Impact on achieving sustainable development goals. *Heliyon*, 10(14). <https://doi.org/10.1016/j.heliyon.2024.e33536>
- Juniasih, I. A. K., Wibawa, M. S., Suastama, I. B. R., Nona, R. V., & Merung, A. Y. (Determinants of Youth Motivation in Agricultural Careers: A Systematic Review for Regeneration Strategy Formulation in Indonesia. *SOCA: Jurnal Sosial Ekonomi Pertanian*. 19 (1): 43-55 <https://doi.org/10.24843/SOCA.2025.v19.i01.p04>
- Karahan, M., Abay, C., & Ito, R. (2023). Determining Factors of Retaining Young Farmers in Agriculture: A Case study in Turkey and Japan. *AGRIS on-line Papers in Economics and Informatics*, 15(2), 41-54. <https://doi.org/10.7160/aol.2023.150204>
- Kellogg, W. K. (2004). Using Logic Models to Bring Together Planning, Evaluation, and Action: Logic Model Development Guide. Michigan: WK Kellogg Foundation.
- Kementerian Pertanian RI. (2015). Keputusan Menteri Pertanian Nomor 035/Kpts/SR.120/D.2.7/4/2015 tentang Pemberian Tanda Daftar Varietas Tanaman Hortikultura. Direktorat Jenderal Hortikultura. Jakarta
- Kementerian Pertanian RI. (2019). Permasalahan, Tantangan dan Kebijakan Pembangunan Pertanian 2020-2024. Policy Brief. Jakarta: Sekretariat Jenderal Kementerian Pertanian
- Kementerian Pertanian RI. (2025). Varietas Terdaftar. Jakarta: Direktorat Perbenihan Hortikultura. <https://benih.pertanian.go.id/varietas-daftar>
- Khan, F. U., Nouman, M., Negrut, L., Abban, J., Cismas, L. M., & Siddiqi, M. F. (2024). Constraints to agricultural finance in underdeveloped and developing countries: a systematic literature review. *International Journal of Agricultural Sustainability*, 22(1), 2329388. <https://doi.org/10.1080/14735903.2024.2329388>
- Khan, M., A., Ni, G., Man, T., & Saud, S. (2025). Impacts of Transport Infrastructure on Agricultural Total Factor Productivity in Asian Countries. *Transport Policy*. <https://doi.org/10.1016/j.tranpol.2025.05.022>
- Khusni, A., Suhartini, S., & Sujarwo, S. (2024). Sustainability of Corn Farming Systems on Post-Sand Mining Land in Malang, East Java, Indonesia. *HABITAT*, 35(1), 96-105. <https://doi.org/10.21776/ub.habitat.2024.035.1.9>
- Kianto, A., Sáenz, J., & Aramburu, N. (2017). Knowledge-based human resource management practices, intellectual capital and innovation. *Journal of business research*, 81, 11-20. <https://doi.org/10.1016/j.jbusres.2017.07.018>
- Knitsch, V., Daniel, L., & Welz, J. (2024). Mapping varieties of farmers' experience in the digital transformation: a new perspective on transformative dynamics. *Precision Agriculture*, 25(4), 1958-1981. <https://doi.org/10.1007/s11119-024-10148-7>

- Kurniati, E., & Wardhani, A. S. (2025). Dari Ladang ke Pasar: Mengurai Jejak Ekonomi Pertanian di Jember. *Jurnal Bersama Ilmu Ekonomi (EKONOM)*, 1(1), 64-73. <https://doi.org/10.55123/ekonom.v1i1.56>
- Kurniawan, H., Yulianto, R. S., Mladenov, S. V., & Ardiansyah, M. (2023). Sustainable development through community empowerment based on local wisdom. *No. Journal of Progressive Sciences and Technologies*, 41, 164-176. <http://dx.doi.org/10.52155/ijpsat.v41.2.5719>
- Kusnandar, K., Brazier, F. M., & van Kooten, O. (2019). Empowering change for sustainable agriculture: the need for participation. *International Journal of Agricultural Sustainability*, 17(4), 271–286. <https://doi.org/10.1080/14735903.2019.1633899>
- Laghari, F., Ahmed, F., Ansari, B., & Silveira Ferreira, P. J. (2025). Agricultural Land, Sustainable Food and Crop Productivity: An Empirical Analysis on Environmental Sustainability as a Moderator from the Economy of China. *Sustainability*, 17(5), 1980. <https://doi.org/10.3390/su17051980>
- Lamm, K. W., Powell, A., Borron, A., Atkins, K., & Hollifield, S. (2022). Insights into rural stress: using the community capitals framework to help inform rural policies and interventions. *Agriculture*, 12(5), 694. <https://doi.org/10.3390/agriculture12050694>
- Lavandero, B., González-Chang, M., Jara-Rojas, R., Gallardo, I., & Wyckhuys, K. (2025). Enhancing agroecological transitions: From locally-adapted protocols to a global transdisciplinary applied approach. *Farming System*, 100154. <https://doi.org/10.1016/j.farsys.2025.100154>
- Lewis, N. (2020). Education. *International Encyclopedia of Human Geography (Second Edition)*. <https://doi.org/10.1016/B978-0-08-102295-5.10255-0>
- Lindblom, J., Lundström, C., Ljung, M., & Jonsson, A. (2017). Promoting sustainable intensification in precision agriculture: review of decision support systems development and strategies. *Precision agriculture*, 18, 309-331. <https://doi.org/10.1007/s11119-016-9491-4>
- Linh, T. N., Anh Tuan, D., Thu Trang, P., Trung Lai, H., Quynh Anh, D., Viet Cuong, N., & Lebailly, P. (2020). Determinants of Farming Households' Credit Accessibility in Rural Areas of Vietnam: A Case Study in Haiphong City, Vietnam. *Sustainability*, 12(11), 4357. <https://doi.org/10.3390/su12114357>
- Lintsen, H. (2018). Natural Capital, Material Flows, the Landscape and the Economy. In: *Well-being, Sustainability and Social Development*. Springer, Cham. https://doi.org/10.1007/978-3-319-76696-6_3
- Listyati, D., Wahyudi, A., & Hasibuan, A. M. (2014). Penguatan kelembagaan untuk peningkatan posisi tawar petani dalam sistem pemasaran kakao. *Journal of Industrial and Beverage Crops*, 1(1), 15-28. <https://doi.org/10.21082/jtidp.v1n1.2014.p15-28>
- Lowder, S. K., Scoet, J., & Raney, T. (2016). The number, size, and distribution of farms, smallholder farms, and family farms worldwide. *World development*, 87, 16-29. <https://doi.org/10.1016/j.worlddev.2015.10.041>
- Maher, S. M., Fenichel, E. P., Schmitz, O. J., & Adamowicz, W. L. (2020). The economics of conservation debt: A natural capital approach to revealed valuation of ecological dynamics. *Ecological Applications*, 30(6), e02132. <https://doi.org/10.1002/eap.2132>

- Malhi, G. S., Kaur, M., & Kaushik, P. (2021). Impact of Climate Change on Agriculture and Its Mitigation Strategies: A Review. *Sustainability*, 13(3), 1318. <https://doi.org/10.3390/su13031318>
- Malta. (2024). Community Empowerment Concept Based on Community Needs and Local Resources. *ENDLESS: International Journal Of Future Studies*, 7(2), 218–227. <https://endless-journal.com/index.php/endless/article/view/306>
- Managanta, A. A., & Pangli, M. (2023). Pengaruh Karakteristik Petani Dan Faktor Produksi Terhadap Pendapatan Petani Padi Sawah. *Agropet*, 20(1), 9-17. <http://dx.doi.org/10.71127/2828-9250.642>
- Marais, Z. E., Baker, T. P., O’Grady, A. P., England, J. R., Tinch, D., & Hunt, M. A. (2019). A Natural Capital Approach to Agroforestry Decision-Making at the Farm Scale. *Forests*, 10(11), 980. <https://doi.org/10.3390/f10110980>
- Martina, M., Zuriani, Z., Zahara, H., & Praza, R. (2023). Analisis Tingkat Keberdayaan Petani Dalam Mengelola Usahatani di Kecamatan Banda Baro Kabupaten Aceh Utara. *Journal of Agribusiness and Community Empowerment*, 6(1), 1-9. <https://doi.org/10.32530/jace.v6i1.577>
- Maryam, S. (2017). Strategi coping: Teori dan sumberdayanya. *Jurnal konseling andi matappa*, 1(2), 101-107. <http://dx.doi.org/10.31100/jurkam.v1i2.12>
- Matekele, C. K., Mambosho, J. S., Rutatola, P. P., & Chongela, J. M. (2025). Carbon trading and local communities’ income: does social enterprise embeddedness moderate? Evidence from Tanzania. *Cogent Social Sciences*, 11(1). <https://doi.org/10.1080/23311886.2025.2456503>
- Mdoda, L., Loki, O., & Sikwela, M. M. (2025). Evaluating the economic effect of sustainable agricultural practices on small-scale farmers in the Eastern Cape Province: a propensity score matching analysis. *International Journal of Agricultural Sustainability*, 23(1). <https://doi.org/10.1080/14735903.2025.2478733>
- Mirhosseini S.-A. (2020). *Doing qualitative research in language education*. Palgrave Macmillan. https://doi.org/10.1007/978-3-030-56492-6_4
- Missemer, A. (2018). Natural capital as an economic concept, history and contemporary issues. *Ecological economics*, 143, 90-96. <https://doi.org/10.1016/j.ecolecon.2017.07.011>
- Moehar. 2001. *Pengantar Ekonomi Pertanian*. Bumi Aksara: Jakarta. Revisi. Jakarta: Rajawali.
- Morepje, M. T., Sithole, M. Z., Msweli, N. S., & Agholor, A. I. (2024). The Influence of E-Commerce Platforms on Sustainable Agriculture Practices among Smallholder Farmers in Sub-Saharan Africa. *Sustainability*, 16(15), 6496. <https://doi.org/10.3390/su16156496>
- Muhie, S. H. (2022). Novel approaches and practices to sustainable agriculture. *Journal of Agriculture and Food Research*, 10, 100446. <https://doi.org/10.1016/j.jafr.2022.100446>
- Mulyadi, M. (2011). Penelitian kuantitatif dan kualitatif serta pemikiran dasar menggabungkannya. *Jurnal Studi Komunikasi dan Media*, 15(1), 128-137. <https://doi.org/10.31445/jskm.2011.150106>
- Mwololo, H. M., Nzuma, J. M., & Githinji, L. M. (2022). Determinants of farmer empowerment in agriculture in Kenya: A Tobit approach. *Heliyon*, 8(12). <https://doi.org/10.1016/j.heliyon.2022.e11888>

- Nangobi, R., Mshenga, P. M., & Mugonola, B. (2024). Sustainability of farmer organizations in Uganda: the role of organizational and institutional factors. *Discover Sustainability*, 5(1), 259. <https://doi.org/10.1007/s43621-024-00403-2>
- Nguyen-Anh, T., Hoang-Duc, C., Tiet, T., Nguyen-Van, P., & To-The, N. (2022). Composite effects of human, natural and social capitals on sustainable food-crop farming in Sub-Saharan Africa. *Food Policy*, 113, 102284. <https://doi.org/10.1016/j.foodpol.2022.102284>
- Nuraini., Saleh, C., Wike., & Riyadi, B. S. (2023). The Relationship of Community Empowerment and Social Capital towards Production Capacity of Agricultural Product in Indonesia. *International Journal of Membrane Science and Technology*. 10 (3), 435-448. <https://doi.org/10.15379/ijmst.v10i3.1552>
- Palomo, I., Locatelli, B., Otero, I., Colloff, M., Crouzat, E., Cuni-Sanchez, A., Gómez-Baggethun, E., González-García, A., Grêt-Regamey, A., Jiménez-Aceituno, A., Martín-López, B., Pascual, U., Zafra-Calvo, N., Bruley, E., Fischborn, M., Metz, R., & Lavorel, S. (2021). Assessing nature-based solutions for transformative change. *One Earth*, 4(5), 730–741. <https://doi.org/10.1016/j.oneear.2021.04.013>
- Pandey, S.C., Modi, P., Pereira, V. and Fosso Wamba, S. (2024), Empowering small farmers for sustainable agriculture: a human resource approach to SDG-driven training and innovation, *International Journal of Manpower*, 46 (4), 652-675. <https://doi.org/10.1108/IJM-11-2023-0655>
- Parker, J. (2018). 'Natural Capital': Ontology or Analogy?. In: Anderson, V. (eds) *Debating Nature's Value*. Palgrave Pivot, Cham. https://doi.org/10.1007/978-3-319-99244-0_11
- Pelenc, J., & Ballet, J. (2015). Strong sustainability, critical natural capital and the capability approach. *Ecological economics*, 112, 36-44. <https://doi.org/10.1016/j.ecolecon.2015.02.006>
- Pemerintah Indonesia. (2013). Undang-Undang Republik Indonesia Nomor 19 Tahun 2013 tentang Perlindungan dan Pemberdayaan Petani. Kementerian Sekretariat Negara. Jakarta.
- Pemerintah Indonesia. (2019). Undang-Undang Nomor 22 Tahun 2019 tentang Sistem Budi Daya Pertanian Berkelanjutan. Kementerian Sekretariat Negara. Jakarta
- Pereponova, A., Grahmann, K., Lischeid, G., Bellingrath-Kimura, S. D., & Ewert, F. A. (2023). Sustainable transformation of agriculture requires landscape experiments. *Heliyon*, 9(11), e21215. <https://doi.org/10.1016/j.heliyon.2023.e21215>
- Phillips, J. (2020). The Sustainability Dynamics Framework—A holistic approach to define and evaluate sustainability and unsustainability in the Anthropocene. *Environmental Impact Assessment Review*, 84, 106436. <https://doi.org/10.1016/j.eiar.2020.106436>
- Polyanskaya, I. G., & Yurak, V. V. (2018). Balanced natural resource management of a region: Estimation by dynamic normal technique. *Ekonomika Regional: Economy of Regions*, (3), 851-869. <https://doi.org/10.17059/2018-3-12>
- Pratama, M. F. (2024) Analisis Efisiensi Teknis Usahatani Durian Bawor di Kecamatan Kemranjen Kabupaten Banyumas. Jawa Tengah: Universitas Jenderal Soedirman.
- Prayitno, G., Hayat, A., Efendi, A., Tarno, H., Fikriyah, & Fauziah, S. H. (2022). Structural Model of Social Capital and Quality of Life of Farmers in Supporting Sustainable Agriculture (Evidence: Sedayulawas Village, Lamongan Regency-Indonesia). *Sustainability (Switzerland)*, 14(19). <https://doi.org/10.3390/su141912487>

- Purwanto, R., Maharrani, R. H., Somantri, O., Wanti, L. P., & Fadillah, F. (2022). Pemanfaatan Digital Marketing sebagai Media Informasi Pemasaran Online Produk Usaha Mikro Kecil Menengah Petani Hortikultura Cilacap. *Jurnal PkM (Pengabdian kepada Masyarakat)*, 5(3), 287-296. <http://dx.doi.org/10.30998/jurnalpkm.v5i3.7974>
- Putnam, R. D. (1993). *Making democracy work: Civic traditions in modern Italy*. Princeton University Press.
- Rachman, C., Utami, P., & Fathurrohman, Y. E. (2025). Analisis Ragam Faktor yang Mempengaruhi Produksi Buah Durian (*Durio zibethinus* Murr.) di Desa Alasmalang Kecamatan Kemranjen Kabupaten Banyumas. *Proceedings Series on Physical & Formal Sciences*, 8, 1–5. <https://doi.org/10.30595/pspfs.v8i.1464>
- Rana, M. M., Kiminami, L., & Furuzawa, S. (2025). An analysis of factors affecting farmers' capacity building for sustainable rural and agricultural development in Bangladesh. *Regional Science Policy & Practice*, 100202. <https://doi.org/10.1016/j.rspp.2025.100202>
- Ren, C., Liu, S., Van Grinsven, H., Reis, S., Jin, S., Liu, H., & Gu, B. (2019). The impact of farm size on agricultural sustainability. *Journal of Cleaner Production*, 220, 357-367. <https://doi.org/10.1016/j.jclepro.2019.02.151>
- Risdianto, D. (2015). Tinjauan Pertanian Organik dan Pertanian Berkelanjutan dalam Upaya Mewujudkan Kembali Swasembada Pangan Nasional. *Jurnal Lemhannas RI*, 3(1), 31-41. <https://jurnal.lemhannas.go.id/index.php/jkl/article/view/145>
- Riyanto, S., & Setyorini, W. (2024). *Metode Penelitian Kuantitatif dengan Pendekatan SmartPLS 4.0*. Yogyakarta: Deepublish
- Roberts, N., Mengge, B., Utina, M. R., Muhatar, F., Iwardanhi, A., Zulkifli, R. M., & Humphries, A. (2022). Patron-client relationships shape value chains in an Indonesian island-based fisheries system. *Marine Policy*, 143, 105142. <https://doi.org/10.1016/j.marpol.2022.105142>
- Robertson, G. P. (2015). A sustainable agriculture? *Daedalus*, 144(4), 76–89. https://doi.org/10.1162/DAED_a_00355
- Roseland, M., & Spiliotopoulou, M. (2017). Sustainable Community Planning and Development. In *Encyclopedia of Sustainable Technologie*. Elsevier. <https://doi.org/10.1016/B978-0-12-409548-9.10185-X>
- Rosenthal, M. (2016). Qualitative research methods: Why, when, and how to conduct interviews and focus groups in pharmacy research. *Currents in pharmacy teaching and learning*, 8(4), 509-516. <https://doi.org/10.1016/j.cptl.2016.03.021>
- Rowlands, J. (1997) *Questioning Empowerment: Working with Women in Honduras*. Oxford: Oxfam Publications
- Ryandi, A. D., Budiono, M. N., & Rifan, M. (2022). Evaluation of Land Suitability for Durian (*Durio zibethinus*), Mango (*Mangifera indica*), and Banana (*Musa sp.*) Cultivation in Banyumas Regency. *Open Soil Science and Environment*, 1(1), 35–49. Retrieved from <https://soilenvironment.com/index.php/OSSE/article/view/5>
- Sabrina, R. (2021). Pemberdayaan Petani dalam Peningkatan Kinerja Pertanian (Suatu Kajian dengan Pendekatan Teoritis). *JASc (Journal of Agribusiness Sciences)*, 4(2), 100-104. <https://doi.org/10.30596/jasc.v4i2.7781>

- Sadewo, A. C. (2017) Analisis Efisiensi Pemasaran Durian Di Desa Karangsalam Kecamatan Kemranjen Kabupaten Banyumas. Jawa Tengah. Universitas Jenderal Soedirman
- Sadewo, A., Rusmono, M., & Hartono, R. (2025). Minat Pemuda Perdesaan Terhadap Program Youth Entrepreneurship And Employment Support Services (YESS) di Kecamatan Pacet. *Jurnal Penyuluhan*, 21(01), 15–27. <https://doi.org/10.25015/21202550887>
- Saleem, A., Anwar, S., Nawaz, T., Fahad, S., Saud, S., Ur Rahman, T., Nasir, M., Khan, R., & Nawaz, T. (2024). Securing a sustainable future: the climate change threat to agriculture, food security, and sustainable development goals. *Journal of Umm Al-Qura University for Applied Sciences*, 1-17. <https://doi.org/10.1007/s43994-024-00177-3>
- Sari, K., Soepratikno, S. S., Nurmayasari, I., & Listiana, I. (2023). Hubungan karakteristik individu dengan tingkat adopsi petani terhadap combine harvester di Desa Kalisari, Kabupaten Lampung Selatan. *Journal of Socio-economics on Tropical Agriculture*, 5(3). <https://doi.org/10.25077/joseta.v5i3.465>
- Sarjiyanto, S., Mulki, Y. A., & Istiqomah, N. (2024). The impact of typology capital on community empowerment programs: evidence from rural development in Indonesia. *Jurnal Ekonomi & Studi Pembangunan*, 25(1), 17-35. <https://doi.org/10.18196/jesp.v25i1.20083>
- Sembada, P., Duteurtre, G., & Moulin, C. H. (2019). The essential role of farm capital in the sustainability of smallholder farms in West Java (Indonesia). *Cah. Agric.* 28: 15. <https://doi.org/10.1051/cagri/2019016>
- Seo, Y., & Shirasawa, N. (2024). Profiling the perceived resilience of young farmers in Japanese agriculture. *Asia and the Global Economy*, 4(2), 100092. <https://doi.org/10.1016/j.aglobe.2024.100092>
- Sheard, J. (2018). Quantitative data analysis. *Research Methods: Information, Systems, and Contexts*, 429-452. <https://doi.org/10.1016/B978-0-08-102220-7.00018-2>
- Siebrecht, N. (2020). Sustainable agriculture and its implementation gap - Overcoming obstacles to implementation. *Sustainability (Switzerland)*, 12(9). <https://doi.org/10.3390/su12093853>
- Simin, M. T., Glavaš-Trbić, D., Milić, D., & Janković, D. (2024). Human Capital As A Development Factor Of Organic Agriculture In The Republic Of Serbia. *Ekonomika poljoprivrede*, 71(2), 485-501. <https://doi.org/10.59267/ekoPolj2402485T>
- Sinaga, R., Noravika, M., Herawati, Widiastuti, M.M.D., Sukmaya, S.G., Sari, W.N.M., Noviana, R., Rizkiyah, N., Nurliah, Wijayati, P.D., Putri, T.A., Fathin, S., Liana, L., Zainuddin A. (2024). Ilmu Pertanian. Bandung: Widina Media Utama.
- Siswanto, Y., Lubis, Z., & Akoeb, E. N. (2020). Analisis Faktor-Faktor yang Mempengaruhi Produksi Kelapa Sawit Rakyat di Desa Tebing Linggahara Kecamatan Bilah Barat Kabupaten Labuhanbatu. *AGRISAINS: Jurnal Ilmiah Magister Agribisnis*, 2(1), 60-70. <https://doi.org/10.31289/agrisains.v2i1.255>
- Slimi, C., Prost, M., Cerf, M., & Prost, L. (2021). Exchanges among farmers' collectives in support of sustainable agriculture: From review to reconceptualization. *Journal of Rural Studies*, 83, 268-278. <https://doi.org/10.1016/j.jrurstud.2021.01.019>
- Smith, A. C., Harrison, P. A., Soba, M. P., Archaux, F., Blicharska, M., Egoh, B. N., Eros, T., Domenech, N. F., Gyorgy, A.I., Haines-Young, r., Li, S., Lommelen, N., Meiresonne, L., Ayala,

- L. M., Mononen, E., Simpson, G., Stange, E., Turkelboom, F., Uiterwijk, M. Veerkamp, C.J., & De Echeverria, V. W. (2017). How natural capital delivers ecosystem services: A typology derived from a systematic review. *Ecosystem Services*, 26, 111-126. <https://doi.org/10.1016/j.ecoser.2017.06.006>
- Stringer, L. C., Fraser, E. D., Harris, D., Lyon, C., Pereira, L., Ward, C. F., & Simelton, E. (2020). Adaptation and development pathways for different types of farmers. *Environmental Science & Policy*, 104, 174-189. <https://doi.org/10.1016/j.envsci.2019.10.007>
- Subedi, B., Poudel, A., & Aryal, S. (2023). The impact of climate change on insect pest biology and ecology: Implications for pest management strategies, crop production, and food security. *Journal of Agriculture and Food Research*, 14, 100733. <https://doi.org/10.1016/j.jafr.2023.100733>
- Sudarmadji, H. (2012). Analisis Faktor-Faktor Yang Mempengaruhi Adopsi Teknologi Pada Usahatani Padi Pola Tanam Sri (System Of Rice Intensification) Di Kabupaten Sumenep. *Jurnal Pertanian Cemara*, 9(1), 35-49. <https://doi.org/10.24929/fp.v9i1.571>
- Sudaryono. (2019). *Metodologi Penelitian Kuantitatif, Kualitatif, dan Mix Method*. Depok: PT. Raja Grafindo Persada
- Sugiyono. (2017). *Metode Penelitian Kuantitatif, Kualitatif, R&D (ke-25)*. Bandung: Alfabeta.
- Sugiyono. (2023). *Metode Penelitian Kombinasi (Mixed Method)*. Bandung: Penerbit Alfabeta
- Sukayat, Y., Setiawan, I., Suharfa Putra, U., & Kurnia, G. (2023). Determining Factors for Farmers to Engage in Sustainable Agricultural Practices: A Case from Indonesia. *Sustainability*, 15(13), 10548. <https://doi.org/10.3390/su151310548>
- Sukino. (2013). *Membangun pertanian dengan pemberdayaan masyarakat tani: terobosan menanggulangi kemiskinan*. Yogyakarta: Pustaka Baru Press
- Sulaiman, A. I. (2023). *Pemberdayaan Masyarakat Dalam Revitalisasi Pengembangan Agrowisata, Eduwisata, dan Ekowisata*. Yogyakarta: Bintang Semesta Media.
- Sulaiman, A. I. (2024). *Dinamika Pemberdayaan Masyarakat Desa Sebagai Kajian Partisipatif, Konkretif dan Aplikatif (Revisi)*. Makassar: Nas Media Pustaka.
- Sulaiman, A. I., Masrukin, M., & Putri, D. D. (2022). Community empowerment program based on green economy in preserving herbs as local wisdom. *Sustainable Development Research*, 4(2), 14-14. <https://doi.org/10.30560/sdr.v4n2p14>
- Sulewski, P., Kłoczko-Gajewska, A., & Sroka, W. (2018). Relations between Agri-Environmental, Economic and Social Dimensions of Farms' Sustainability. *Sustainability*, 10(12), 4629. <https://doi.org/10.3390/su10124629>
- Sulung, U., & Muspawati, M. (2024). Memahami sumber data penelitian: Primer, sekunder, dan tersier. *Edu Research*, 5(3), 110-116. <https://doi.org/10.47827/jer.v5i3.238>
- Šūmane, S., Kunda, I., Knickel, K., Strauss, A., Tisenkopfs, T., Rios, I. des I., Rivera, M., Chebach, T., & Ashkenazy, A. (2018). Local and farmers' knowledge matters! How integrating informal and formal knowledge enhances sustainable and resilient agriculture. *Journal of Rural Studies*, 59, 232–241. <https://doi.org/10.1016/j.jrurstud.2017.01.020>

- Suminah, S., Anantanyu, S., Suwanto, S., Sugihardjo, S., & Padmaningrum, D. (2023). The Influence of Empowerment towards Agricultural Business Actors' Ability in Surakarta, Indonesia. *Social Sciences*, 12(2). <https://doi.org/10.3390/socsci12020076>
- Suminah, S., Widayanti, E., Padmaningrum, D., & Anantanyu, S. (2024). The role of social capital in developing organic rice businesses at Gentungan Village. In *IOP Conference Series: Earth and Environmental Science*, 1292(1), 012029. IOP Publishing. <https://doi.org/10.1088/1755-1315/1292/1/012029>
- Suparmoko, M. (2020). Konsep pembangunan berkelanjutan dalam perencanaan pembangunan nasional dan regional. *Jurnal Ekonomika dan Manajemen*, 9(1), 39-50. <https://doi.org/10.36080/jem.v9i1.1112>
- Suratiyah, M. (2015). *Ilmu Usaha Tani (Edisi Revisi)*. Jakarta: Penebar Swadaya Grup.
- Suryana, N. K., & Mulyani, S. I. (2023). Local Resources-Based Community Empowerment Model to Achieve Food Security in the Indonesian Border Community of North Sebatik. *Jurnal Kawistara*, 13(1). <https://doi.org/10.22146/kawistara.73042>
- Susilowati, S. H. (2016). Fenomena penuaan petani dan berkurangnya tenaga kerja muda serta implikasinya bagi kebijakan pembangunan pertanian. *Forum Penelitian Agro Ekonomi*, 34(1), 35-55. <https://epublikasi.pertanian.go.id/berkala/index.php/fae/article/view/1150>
- Syed, A., Raza, T., Bhatti, T. T., & Eash, N. S. (2022). Climate Impacts on the agricultural sector of Pakistan: Risks and solutions. *Environmental Challenges*, 6, 100433. <https://doi.org/10.1016/j.envc.2021.100433>
- Tasheva, S., & Hillman, A. J. (2019). Integrating diversity at different levels: Multilevel human capital, social capital, and demographic diversity and their implications for team effectiveness. *Academy of Management Review*, 44(4), 746-765. <https://doi.org/10.5465/amr.2015.0396>
- Thomson, K. T., & Radhika, K. (2024). Social Engineering of Natural Capital and Adaptive Capacity to Climate Change: An Empirical Enquiry of Coastal Agriculture in Kerala, India. *Journal of Land and Rural Studies*, 23210249241281853. <https://doi.org/10.1177/23210249241281853>
- Tiwari, A. K., Hieu, H. N., Ha, N. M., & Gaur, J. (2023). The role of structural social capital in driving social-oriented sustainable agricultural entrepreneurship. *Energy Economics*, 124, 106855. <https://doi.org/10.1016/j.eneco.2023.106855>
- Touch, V., Tan, D. K., Cook, B. R., Li Liu, D., Cross, R., Tran, T. A., Utomo, A., Yous, S., Grunbuhel, C., & Cowie, A. (2024). Smallholder farmers' challenges and opportunities: Implications for agricultural production, environment and food security. *Journal of Environmental Management*, 370, 122536. <https://doi.org/10.1016/j.jenvman.2024.122536>
- Ullah, A., Mahmood, N., Zeb, A., & Kächele, H. (2020). Factors Determining Farmers' Access to and Sources of Credit: Evidence from the Rain-Fed Zone of Pakistan. *Agriculture*, 10(12), 586. <https://doi.org/10.3390/agriculture10120586>
- Velten, S., Leventon, J., Jager, N., & Newig, J. (2015). What Is Sustainable Agriculture? A Systematic Review. *Sustainability*, 7(6), 7833-7865. <https://doi.org/10.3390/su7067833>
- Vo, P. H., & Ngo, T. Q. (2021). The role of agricultural financing and development on sustainability: Evidence from ASEAN countries. *AgBioForum*, 23(1), 22-31. <https://hdl.handle.net/10355/86781>

- Wahab, L., Kurniawan, A., & Lestari, H. A. (2025). Suitability Land Evaluation for Durian Bawor in Banyumas Regency using GISBased IoT. *Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem*, 13(1), 83–101. <https://doi.org/10.29303/jrpb.v13i1.1138>
- Wang, S. L., & Cuervo-Cazurra, A. (2017). Overcoming human capital voids in underdeveloped countries. *Global Strategy Journal*, 7(1), 36-57. <https://doi.org/10.1002/gsj.1144>
- Wang, S., Lin, X., Xiao, H., Bu, N., & Li, Y. (2022). Empirical Study on Human Capital, Economic Growth and Sustainable Development: Taking Shandong Province as an Example. *Sustainability*, 14(12), 7221. <https://doi.org/10.3390/su14127221>
- Waqas, M., Naseem, A., Humphries, U. W., Hlaing, P. T., Shoaib, M., & Hashim, S. (2024). A comprehensive review of the impacts of climate change on agriculture in Thailand. *Farming System*, 100114. <https://doi.org/10.1016/j.farsys.2024.100114>
- Wen, C., & Ma, J. (2024). How does social capital influence farmers' adoption of soil testing and formulated fertilisation technology? Evidence from Chinese maize farmers. *Sustainable Futures*, 8, 100394. <https://doi.org/10.1016/j.sfr.2024.100394>
- White, B. (2012). Agriculture and the generation problem: rural youth, employment and the future of farming. *IDS bulletin*, 43(6), 9-19. <https://doi.org/10.1111/j.1759-5436.2012.00375.x>
- Widyaningrum, A., Handayani, S. M., & Irawan, E. (2024). Analisis Usahatani Cabai Merah Keriting pada Lahan Berpasir (Studi Kasus Kelompok Tani Tanisari di Kelurahan Karangsewu, Kecamatan Galur, Kabupaten Kulon Progo). In *Interdisciplinary and Multidisciplinary Studies: Conference Series*. 2(2):6-17.
- Yoder, L., & Chowdhury, R. R. (2018). Tracing social capital: How stakeholder group interactions shape agricultural water quality restoration in the Florida Everglades. *Land Use Policy*, 77, 354-361. <https://doi.org/10.1016/j.landusepol.2018.05.038>
- Zachariou, M., Adenuga, A. H., & Jack, C. (2025). Education and Farmers' Environmental Performance: A Systematic Literature Review. *Sustainability*, 17(2), 796. <https://doi.org/10.3390/su17020796>
- Zhang, M., Qin, J., Tan, H., Mao, H., Tu, X., & Jian, J. (2023). Education level of farmers, market-oriented reforms, and the utilization efficiency of agricultural water resources in China. *Economic Change and Restructuring*, 56(6), 3927-3947. <https://doi.org/10.1007/s10644-022-09474-5>
- Zhang, X., Zhang, L., & Nie, T. (2023). Study on the Impact of Social Capital on Farmers' Decision-Making Behavior of Adopting Trusteeship Services. *Sustainability*, 15(6), 5343. <https://doi.org/10.3390/su15065343>
- Zugravu-Soilita, N., Kafrouni, R., Bouard, S., & Apithy, L. (2021). Do cultural capital and social capital matter for economic performance? An empirical investigation of tribal agriculture in New Caledonia. *Ecological Economics*, 182, 106933. <https://doi.org/10.1016/j.ecolecon.2020.106933>