

DAFTAR PUSTAKA

- Adamu, A. J., Nangena, M. M., & Anang, B. T. (2023). Welfare Effects of Agricultural Extension in the Sudan Savanna of Ghana. *World Development Sustainability*, 3. <https://doi.org/10.1016/j.wds.2023.100095>
- Adniar, N., Salahuddin, S., & Arif, L. O. K. (2024). Modal Sosial Petani Dalam Usahatani Tanaman Cengkeh Di Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu. *Jurnal Ilmiah Penyuluhan Dan Pengembangan Masyarakat*, 4(3), 238–248. <https://doi.org/10.56189/jippm.v4i3.17>
- Agustina, F., Zahri, I., Yazid, M., & Yunita. (2017). Determinant Factors Of Agricultural Extension Competence In The Implementation Of Good Agricultural Practices In Bangka, Belitung Province. *Russian Journal of Agricultural and Socio-Economic Sciences*, 69(9), 231–238. <https://doi.org/10.18551/rjoas.2017-09.29>
- Akbar, I., Budiraharjo, & Mukson. (2017). Analisis Faktor-Faktor yang Mempengaruhi Produktivitas Padi di Kecamatan Kesesi, Kabupaten Pekalongan. 1(2), 99–111. <http://ejournal2.undip.ac.id/index.php/agrisocionomics>
- Alberth, R. F. F. (2022). Efektivitas Komunikasi Penyuluhan Pertanian Kelompok Pengolah Pangan Lokal Enbal di Ohoi Debut Kabupaten Maluku Tenggara (Communications Effectiveness of Agricultural Extension Group in Enbal Cassava Processors In Debut Village, In Southeast Maluku District). *J. Agrikan*, 15(1), 147–156. <https://doi.org/10.52046/agrikan.v15i1.147-156>
- Alzahrani, K., Ali, M., Azeem, M. I., & Alotaibi, B. A. (2023). Efficacy of Public Extension and Advisory Services for Sustainable Rice Production. *Agriculture (Switzerland)*, 13(5). <https://doi.org/10.3390/agriculture13051062>
- Al-Zahrani, K. H., Khan, A. Q., Baig, M. B., Mubushar, M., & Herab, A. H. (2019). Perceptions of wheat farmers toward agricultural extension services for realizing sustainable biological yields. *Saudi Journal of Biological Sciences*, 26(7), 1503–1508. <https://doi.org/10.1016/j.sjbs.2019.02.002>
- Anang, R. H., & Cipani, R. (2022). Studi Aktivitas Penyuluhan Pertanian Melalui Media Sosial dalam Upaya Merubah Perilaku Petani di Masapandemi Covid-19 di Kabupaten Banyuasin. *SOCIETA*, 11(1), 9–15.
- Andrade, C., & Lousã, E. P. (2021). Telework and Work-Family Conflict during COVID-19 Lockdown in Portugal: The Influence of Job-Related Factors. <https://doi.org/10.3390/admsci>



J. E. A., Tham-Agyekum, E. K., Arhin, M., & Asiedu, P. (2024). Cultural extension delivery services for improving cocoa bean. *Cogent Social Sciences*, 10(1). <https://doi.org/10.1080/23311886.2024.2333431>

tinger, L. C. (2021). Improving the effectiveness of agricultural extension services in supporting farmers to adapt to climate change: Insights

- from northeastern Ghana. *Climate Risk Management*, 32. <https://doi.org/10.1016/j.crm.2021.100304>
- Anupama, K. (2018). Hypothesis Types and Research. *International Journal of Nursing Science Practice and Research*. <https://doi.org/10.37628/ijnspr.v4i2.812>
- Anwarudin, O., & Dayat, D. (2019). The Effect of Farmer Participation in Agricultural Extension on Agribusiness Sustainability in Bogor, Indonesia. *International Journal of Multicultural and Multireligious Understanding*, 6(3), 1061. <https://doi.org/10.18415/ijmmu.v6i3.1028>
- Anyanwu, B., & Udoh, G. N. (2022). ISSN: 2730-7603X www.afropolitanjournals.com
Afropolitan Journals The Effectiveness of Mass Media in Agricultural Extension and Development. In *African Journal of Agricultural Science and Food Research* (Vol. 3, Issue 1). www.afropolitanjournals.com
- Arifianto, S., Satmoko, S., & Setiawan, D. B. M. (2017). Pengaruh Karakteristik Penyuluh, Kondisi Kerja, Motivasi Terhadap Kinerja Penyuluh Pertanian dan pada Perilaku Petani Padi di Kabupaten Rembang. *AGRISOCIONOMICS*, 1(2), 166–180. <http://ejournal2.undip.ac.id/index.php/agrisocionomics>
- Atube, F., Malinga, G. M., Nyeko, M., Okello, D. M., Alarakol, S. P., & Okello-Uma, I. (2021). Determinants of smallholder farmers' adaptation strategies to the effects of climate change: Evidence from northern Uganda. *Agriculture and Food Security*, 10(1). <https://doi.org/10.1186/s40066-020-00279-1>
- Aviati, Y., & Endaryanto, T. (2019). Kajian Proses Pembelajaran dalam Penyuluhan Pertanian untuk Meningkatkan Kompetensi Kewirausahaan Petani Jagung di Kabupaten Grobogan Provinsi Jawa Tengah. *Jurnal Agritech*, Vol. 22(2). In *AGRITECH* (Issue 2).
- Azizah, L. N., & Sugiarti, T. (2020). Tingkat Pengetahuan Petani Terhadap Pemanfaatan Tanaman Refugia Di Desa Bandung Kecamatan Prambon Kabupaten Nganjuk. *Agriscience*, 1(2), 353–366. <http://journal.trunojoyo.ac.id/agriscience>
- Azumah, S. B., Donkoh, S. A., & Awuni, J. A. (2018). The perceived effectiveness of agricultural technology transfer methods: Evidence from rice farmers in Northern Ghana. *Cogent Food and Agriculture*, 4(1). <https://doi.org/10.1080/23311932.2018.1503798>
- Deh, A. K. (2017). Subsistence Farmers' Perceptions of Pluralistic Agriculture in Northern Ghana. <https://scholarworks.waldenu.edu/dissertations>
- Deh, A. K. (2021). Efektivitas dan Persepsi Pelaksanaan Penyuluhan Pertanian Pandemi Covid 19. *AGRIMOR*, 6(3), 138–144. <https://doi.org/10.32938/ag.v6i3.1358>



- Bekuma, T., Mamo, G., & Regassa, A. (2023). Indigenous and improved adaptation technologies in response to climate change adaptation and barriers among smallholder farmers in the East Wollega Zone of Oromia, Ethiopia. *Research in Globalization*, 6. <https://doi.org/10.1016/j.resglo.2022.100110>
- Bela, A. R., Sadi'yah, A. A., & Khoirunnisa, N. (2024). Clove Farming Development Strategy As an Ecosystem Conservation and Restoration Action in the Bongkok Forest. *Journal of Agricultural Socio-Economics*, 5, 8–18. <https://doi.org/10.33474/jase.v5i1.21369>
- Berhanu, A. A., Ayele, Z. B., & Dagnew, D. C. (2024). Impact of climate-smart agricultural practices on smallholder farmers' resilience in Ethiopia. *Journal of Agriculture and Food Research*, 16. <https://doi.org/10.1016/j.jafr.2024.101147>
- Biswas, B., Mallick, B., Roy, A., & Sultana, Z. (2021). Impact of agriculture extension services on technical efficiency of rural paddy farmers in southwest Bangladesh. *Environmental Challenges*, 5. <https://doi.org/10.1016/j.envc.2021.100261>
- Cheng, F., Chen, Q., Gu, M., & Peng, D. (2016). Current status of agricultural extension in China. *HortTechnology*, 26(6), 846–851. <https://doi.org/10.21273/HORTTECH03220-16>
- Chivers, C. A., Bliss, K., de Boon, A., Lishman, L., Schillings, J., Smith, R., & Rose, D. C. (2023). Videos and podcasts for delivering agricultural extension: achieving credibility, relevance, legitimacy and accessibility. *Journal of Agricultural Education and Extension*, 29(2), 173–197. <https://doi.org/10.1080/1389224X.2021.1997771>
- Cook, B. R., Satizábal, P., & Curnow, J. (2021). Humanising agricultural extension: A review. *World Development*, 140. <https://doi.org/10.1016/j.worlddev.2020.105337>
- Cummins, R. G., Smith, D. W., Callison, C., & Mukhtar, S. (2018). Using continuous response assessment to evaluate the effectiveness of extension education products. *Journal of Extension*, 56(3). <https://doi.org/10.34068/joe.56.03.26>
- Danjumah, P. M., Asiamah, M. T., Tham-Agyekum, E. K., Ibrahim, S. A., & Mensah, L. K. (2024). Dynamics of agricultural extension delivery services to rice farmers in Ghana. *Heliyon*, 10(5). <https://doi.org/10.1016/j.heliyon.2024.e26753>
- Danso-Abbeam, G., Ehiakpor, D. S., & Aidoo, R. (2018). Agricultural extension and its effects on farm productivity and income: Insight from Northern Ghana. *Food Security*, 7(1). <https://doi.org/10.1186/s40066-018-0225-x>
- rdikaningsih, R. (2021). Pengaruh Keterampilan Interpersonal, Integritas dan Keterikatan Kerja terhadap Kinerja Penyuluh Ekonomi, Keuangan, Investasi Dan Syariah (ekuitas), 3(2), 290–300. <https://doi.org/10.47065/ekuitas.v3i2.1153>



Dayat, D., Anwarudin, O., & Makhmudi, M. (2020). Regeneration Of Farmers Through Rural Youth Participation In Chili Agribusiness. *International Journal Of Scientific & Technology Research*, 9(3), 1201–1206. www.ijstr.org

Delgado, L., & Stoorvogel, J. J. (2022). Role of soil perception and soil variability by smallholder farmers in the low adoption rates of extension packages in Central America. *Journal of Rural Studies*, 93, 92–103. <https://doi.org/10.1016/j.jrurstud.2022.05.009>

Destrianto, M. R. (2023). Penelitian Penerapan Sosial Media dalam Kegiatan Penyuluhan Pertanian pada Portal Database Garuda: Sebuah Narrative Review. *AGRIFITIA: Journal of Agribusiness Plantation*, 3(1), 1–10. <https://doi.org/10.55180/aft.v3i1.356>

Ekinci, F., Yildizdas, D., Horoz, O. O., Arslan, I., Ozkale, Y., Yontem, A., & Ozkale, M. (2022). Performance and analysis of four pediatric mortality prediction scores among critically ill children: A multicenter prospective observational study in four PICUs. *Archives de Pediatrie*, 29(6), 407–414. <https://doi.org/10.1016/j.arcped.2022.05.001>

Fangohoi, L., Olando Marselino Tobias Asmuruf, Widyaningrum Widyaningrum, Eddy Mayor, Kornelis Muabuai, Stenli Duit, & Andarias Pariri. (2023). Pengenalan Kelas Kelompok Tani kepada Petani Lokal Guna Menumbuh Kembangkan Daya Juang Petani Lokal Kampung Bremi Distrik Manokwari Utara Kabupaten Manokwari Provinsi Papua Barat. *Journal of Sustainable Agriculture Extension*, 1(1), 1–9. <https://doi.org/10.47687/josae.v1i1.444>

Gebremariam, Y. A., Dessein, J., Wondimagegnhu, B. A., Breusers, M., Lenaerts, L., Adgo, E., Ayalew, Z., Minale, A. S., & Nyssen, J. (2021). Determinants of farmers' level of interaction with agricultural extension agencies in northwest Ethiopia. *Sustainability (Switzerland)*, 13(6). <https://doi.org/10.3390/su13063447>

Getu, K., & Bhat, H. G. (2024). Application of geospatial techniques and binary logistic regression model for analyzing driving factors of urban growth in Bahir Dar city, Ethiopia. *Heliyon*, 10(3). <https://doi.org/10.1016/j.heliyon.2024.e25137>

Habun, F., Wiendiyati, & Nurwiana, I. (2022). Analisis Faktor-Faktor yang Mempengaruhi Produksi Usahatani Cengkeh di Kecamatan Kuwus Barat Kabupaten Manggarai Barat. *Buletin Ilmiah IMPAS*, 23(1), 1–12.

Harper, A., Mustafee, N., & Yearworth, M. (2021). Facets of trust in simulation studies. *Journal of Operational Research*, 289(1), 197–213. <https://doi.org/10.1016/j.ejor.2020.06.043>



I, M. N., Billah, M. M., Islam, M. M., & Jahan, M. S. (2024). Education and access to education drive optimal adoption of climate-resilient interventions in affected tidal floodplains: A case study. *Heliyon*, 10(3). <https://doi.org/10.1016/j.heliyon.2024.e31616>

- Humaidi, L., Hubeis, A. V. s, Puspitawati, H., & Anwas, O. E. M. (2020). Karakteristik Penyuluh dalam Pemanfaatan Media Sosial sebagai Media Informasi Pertanian. *Jurnal Sosial Ekonomi Dan Kebijakan Pertanian*, 4(1), 111–124. <http://ejournal2.undip.ac.id/index.php/agrisocionomics4>
- Hunt, W., Birch, C., Vanclay, F., & Coutts, J. (2014). Recommendations arising from an analysis of changes to the Australian agricultural research, development and extension system. In *Food Policy* (Vol. 44, pp. 129–141). Elsevier Ltd. <https://doi.org/10.1016/j.foodpol.2013.11.007>
- Idiegbeyan-Ose, J., Owolabi, A., Segun-Adeniran, C., Aregbesola, A., Emmanuel Owolabi, S., & Eyiolorunshe, T. (2019). Information Provision by Public Library to Agricultural Extension Agents in a Developing Country. *Public Library Quarterly*, 38(1), 103–115. <https://doi.org/10.1080/01616846.2018.1555412>
- Imran, A. N., Muhanniah, M., & Widiati Giono, B. R. (2019). Metode Penyuluhan Pertanian Dalam Meningkatkan Pengetahuan Dan Keterampilan Petani (Studi Kasus Di Kecamatan Maros Baru Kabupaten Maros). *Jurnal Agrisep: Kajian Masalah Sosial Ekonomi Pertanian Dan Agribisnis*, 18(2), 289–304. <https://doi.org/10.31186/jagrisep.18.2.289-304>
- Jamil, M. H., Basmahuddin, N. R. A., B Dammallino, E., & Ridwan, M. (2023). Faktor-Faktor yang Mempengaruhi Kinerja Penyuluh Pertanian dalam Masa Pandemi Covid-19 di Kabupaten Jenepono. *Jurnal Penyuluhan*, 19(01), 80–92. <https://doi.org/10.25015/19202341935>
- Jamil, M. H., Tika, N., Fudjaja, L., Tenriawaru, A. N., Salam, M., Ridwan, M., Muslim, A. I., & Chand, N. V. (2023). Effectiveness of Agricultural Extension on Paddy Rice Farmer's Baubau City, Southeast Sulawesi, Indonesia. *Sustainability (Switzerland)*, 15(4). <https://doi.org/10.3390/su15043773>
- Jaya, F. (2022). Rancang Bangun Sistem Informasi Kepuasan Petani Terhadap Kinerja Penyuluh Pertanian Berbasis Website. In *Jurnal Jaringan Sistem Informasi Robotik (JSR)* (Vol. 6, Issue 2). <http://ojsamik.amikmitragama.ac.id>
- Kabote, S. J., & Tunguhole, J. (2022). Determinants of Clove Exports in Zanzibar: Implications for Policy. *International Journal of Business and Economic Studies*, 4(2), 127–147. <https://doi.org/10.54821/uiecd.1180312>
- Kassem, H. S., Alotaibi, B. A., Muddassir, M., & Herab, A. (2021). Factors influencing farmers' satisfaction with the quality of agricultural extension services. *Evaluation and Program Planning*, 85. <https://doi.org/10.1016/j.evalproplan.2021.101912>
- ette, A. S., Kakisina, A. P., Tuhumury, M. T. F., Umanailo, M. C. ; M. G. I. (2021). Clove processing as a source of increasing ne in Ambon City. *IOP Conference Series: Earth and Science*, 883(1). <https://doi.org/10.1088/1755->



- Kerlinger, P., & Gauthreaux, S. A. (1984). Flight Behaviour Of Sharp-Shinned Hawks During Migration. I : Over Land. In *Anim. Behav* (Vol. 32).
- Khairunnisa, N. F., Saidah, Z., Hapsari, H., & Wulandari, E. (2021). Pengaruh Peran Penyuluh Pertanian terhadap Tingkat Produksi Usahatani Jagung. *Jurnal Penyuluhan*, 17(2), 113–125. <https://doi.org/10.25015/17202133656>
- Khalid, S. M. N., & Sherzad, S. (2019). Agricultural Extension Manual for Extension Workers. *journal Food and Agriculture Organization of the United Nations (FAO)*. <http://www.wipo.int/amc/en/mediation/rules>
- Kuehne, G., Llewellyn, R., Pannell, D. J., Wilkinson, R., Dolling, P., Ouzman, J., & Ewing, M. (2017). Predicting farmer uptake of new agricultural practices: A tool for research, extension and policy. *Agricultural Systems*, 156, 115–125. <https://doi.org/10.1016/j.agsy.2017.06.007>
- Kumaat, G. K. N., Katiandagho, T. M., & Sondakh, M. L. (2015). Kontribusi Usahatani Cengkeh Terhadap Pendapatan Rumah Tangga Petani Di Desa Raanan Baru 2, Kecamatan Motoling Barat (Vol. 11).
- Le, T. H. L., Kristiansen, P., Vo, B., Moss, J., & Welch, M. (2024). Understanding factors influencing farmers' crop choice and agricultural transformation in the Upper Vietnamese Mekong Delta. *Agricultural Systems*, 216. <https://doi.org/10.1016/j.agsy.2024.103899>
- Lele, O. K., Panjaitan, F. J., Taopan, R. A., & Rofita, D. (2021). Dampak Perbedaan Pola Budidaya Cengkeh (*Syzygium aromaticum* L.) terhadap Sifat Kimia dan Populasi Cacing Tanah di Desa Komba-Manggarai Timur. *Agrikultura*, 32(1), 7. <https://doi.org/10.24198/agrikultura.v32i1.29781>
- Loizzo, J., & Lillard, P. (2015). In the field: Increasing undergraduate students' awareness of extension through a blended project-based multimedia production course. *Journal of Extension*, 53(1). <https://doi.org/10.34068/joe.53.01.27>
- Maake, M. M. S., & Antwi, M. A. (2022). Farmer's perceptions of effectiveness of public agricultural extension services in South Africa: an exploratory analysis of associated factors. *Agriculture and Food Security*, 11(1). <https://doi.org/10.1186/s40066-022-00372-7>
- Malila, B. P., Kaaya, O. E., Lusambo, L. P., Schaffner, U., & Kilawe, C. J. (2023). Factors influencing smallholder Farmer's willingness to adopt sustainable land management practices to control invasive plants in northern Tanzania. *Environmental and Sustainability Indicators*, 19. <https://doi.org/10.1016/j.indic.2023.100284>
- (2020). The Role of Agricultural Extension in Increasing Income Rice Farmers. *Indonesian Journal of Agricultural* 77–88. <https://doi.org/10.32734/injar.v3i2.3963>



- Marding, Rauf, R. A., & Christoporus. (2020). Faktor-Faktor yang Memengaruhi Produksi Cengkeh di Kabupaten Tolitoli. *J. Agroland*, 27(1), 68–76.
- Mariel, J., Sanchez, I., Verzellen, N., Massol, F., Carrière, S. M., & Labeyrie, V. (2024). The role of farmers' networks in sourcing planting material and information in a context of agroforestry transition in Madagascar. *Agricultural Systems*, 217. <https://doi.org/10.1016/j.agsy.2024.103906>
- Marudhar. (2019). Identifying Variables. 8(3), 865–868.
- Matital, G., Roessali, W., & Dwi Yunianto, V. (2022). The Influence of Internal and External Factors on Entrepreneurship Behavior. *Agrisocionomics*, 6(2), 313. <http://ejournal2.undip.ac.id/index.php/agrisocionomics>
- Mizab, K. A., & Falsafian, A. (2017). Factors Affecting Land Allocation to Saffron and its Expansion in Marand County, Iran. In *International Journal of Agricultural Management and Development* (Vol. 7, Issue 2). www.ijamad.iaurasht.ac.ir
- Moyo, R., & Salawu, A. (2018). A survey of communication effectiveness by agricultural extension in the Gweru district of Zimbabwe. *Journal of Rural Studies*, 60, 32–42. <https://doi.org/10.1016/j.jrurstud.2018.03.002>
- Munthali, N., van Paassen, A., Leeuwis, C., Lie, R., van Lammeren, R., Aguilar-Gallegos, N., & Oppong-Mensah, B. (2021). Social media platforms, open communication and problem solving in the back-office of Ghanaian extension: A substantive, structural and relational analysis. *Agricultural Systems*, 190. <https://doi.org/10.1016/j.agsy.2021.103123>
- Nabila, Y., Suparman, & Junaidi. (2024). Tingkat Efektivitas Penyuluhan Pertanian untuk Pengembangan Usahatani Tanaman Padi Sawah di Kecamatan Brang Ene Kabupaten Sumbawa Barat. *Jurnal Ilmiah Ilmu Pendidikan (JIIP)*, 7(1), 1021–1028.
- Ndamani, F., & Watanabe, T. (2016). Determinants of farmers' adaptation to climate change: A micro level analysis in Ghana. *Scientia Agricola*, 73(3), 201–208. <https://doi.org/10.1590/0103-9016-2015-0163>
- Ndiba, T. A., Wullur, M., & Tumade, P. (2016). Evaluasi Kinerja Rantai Pasok Komoditas Cengkeh (Studi Pada Desa Lalumpe Kabupaten Minahasa) The Supply Chain Performance Of Clove Commodity (Study At Lalumpe Village, Minahasa). *Evaluasi Kinerja Rantai...* *Jurnal EMBA*, 153(1), 153–164.
- Nonaka, K. A., Masinambow, V. A. J., & Lopian, A. L. Ch. P. (2023). Faktor-Faktor aruhi Produksi Cengkih di Desa Liningaan Kecamatan Maesaan ahasa Selatan. *Jurnal Berkala Ilmiah Efisiensi*, Vol. 23(1). In *Ilmiah Efisiensi* (Vol. 23, Issue 5).
- P. A., Aji, P., Hendriyanto, R., Aditya, B. R., Wijayanto, W. P., & (2023). Pembangunan dan Implementasi Portal Website



Penyuluhan Pertanian di Balai Penyuluhan Pertanian (Bpp) Limbangan. *Abdimas Bina Bangsa*, 4(2), 1253–1261.

Nuthall, P. L., & Old, K. M. (2018). Intuition, the farmers' primary decision process. A review and analysis. *Journal of Rural Studies*, 58, 28–38. <https://doi.org/10.1016/j.jrurstud.2017.12.012>

Okeke, M. N., Nwalieji, H. U., & Uzuegbunam, C. O. (2015). Creative Commons User Licence: CC BY-NC-ND Journal of Agricultural Extension Emerging Role of Information Communication Technologies in Extension Service Delivery in Nigeria: A Review *Journal of Agricultural Extension*. In EBSCOhost, Electronic Journals Service (EJS) (Vol. 19, Issue 1). <http://journal.aesonnigeria.org><http://www.ajol.info/index.php/jae>128<http://dx.doi.org/10.4314/jae.v19i1.11><http://journal.aesonnigeria.org><http://www.ajol.info/index.php/jae>

Oktafiani, O., Sidu, D., & Salahuddin, S. (2021). Efektivitas Peran Penyuluh Pertanian dan Produktivitas Kerja Petani pada Usahatani Padi Sawah di Desa Ambulanu Kecamatan Pondidaha Kabupaten Konawe. *Jurnal Ilmiah Penyuluhan Dan Pengembangan Masyarakat*, 1(2), 39. <https://doi.org/10.56189/jippm.v1i2.19947>

Opoku-Acheampong, K., Tham-Agyekum, E. K., Ankuyi, F., Okorley, E. L., Andivi Bakang, J. E., & Nimoh, F. (2024). Effect of adoption of conservation agriculture on household food security of smallholder maize farmers in Ghana. *Environmental and Sustainability Indicators*, 23. <https://doi.org/10.1016/j.indic.2024.100436>

Ospina, P. A., Nydam, D. V., & DiCiccio, T. J. (2012). Technical note: The risk ratio, an alternative to the odds ratio for estimating the association between multiple risk factors and a dichotomous outcome. *Journal of Dairy Science*, 95(5), 2576–2584. <https://doi.org/10.3168/jds.2011-4515>

Owolabi, A. O., & Yekinni, O. T. (2022). Utilisation of information and communication technologies for agricultural extension service delivery in public and non-public organisations in southwestern Nigeria. *Heliyon*, 8(9). <https://doi.org/10.1016/j.heliyon.2022.e10676>

Pangaribuan, D. H., Soesilo, F. X., & Prasetyo, J. (2018). Pengembangan Dan Pemanfaatan Pupuk Organik Ekstrak Tanaman Pada Budidaya Pertanian Organik Di Lampung Selatan. *Jurnal Pengabdian Kepada Masyarakat*, 24(1), 603. <https://doi.org/10.24114/jpkm.v24i1.9674>



an introduction to logistic regression: From basic concepts to with particular attention to nursing domain. *Journal of Korean of Nursing*, 43(2), 154–164. <https://doi.org/10.4040/jkan.2013.43.2.154>

ová, S., & Poláčeková, H. (2023). Development of Educational Counseling in Social Agriculture in Slovakia: Initial Experience

- and Future Prospects. *European Countryside*, 15(2), 186–201. <https://doi.org/10.2478/euco-2023-0010>
- Pratama, A. P., Darwanto, D. H., & Masyhuri. (2020). Economics Development Analysis Journal Indonesian Clove Competitiveness and Competitor Countries in International Market Article Information. *Economics Development Analysis Journal*, 9(1), 2020. <http://journal.unnes.ac.id/sju/index.php/edaj>
- Pratiwi, A., & Suzuki, A. (2017). Effects of farmers' social networks on knowledge acquisition: lessons from agricultural training in rural Indonesia. *Journal of Economic Structures*, 6(1). <https://doi.org/10.1186/s40008-017-0069-8>
- Putri, M. A., Veronice, & Ananda, G. (2022). Persepsi Petani terhadap Kompetensi Penyuluh Pertanian di Kecamatan Payakumbuh, Kabupaten Lima Puluh Kota. *Jurnal Penyuluhan*, 18(01), 59–74. <https://doi.org/10.25015/18202236061>
- R. Kotur, B., & Anbazhagan, S. (2014). Education and Work-Experience - Influence on the Performance. *IOSR Journal of Business and Management*, 16(5), 104–110. <https://doi.org/10.9790/487X-1653104110>
- Ramadhana, Y. D. F., & Subekti, S. (2021). Pemanfaatan Metode Penyuluhan Pertanian oleh Petani Cabai Merah. *Jurnal Kirana*, 2(2), 113–133. <https://jurnal.unej.ac.id/index.php/jkrm>
- Rasud, Y. (2020). Induksi Kalus secara In Vitro dari Daun Cengkeh (*Syzigium aromaticum* L.) dalam Media dengan Berbagai Konsentrasi Auksin (In Vitro Callus Induction from Clove (*Syzigium aromaticum* L.) Leaves on Medium Containing Various Auxin Concentrations). *Jurnal Ilmu Pertanian Indonesia (JIPI)*, Januari, 25(1), 67–72. <https://doi.org/10.18343/jipi.25.1.67>
- Rosya, A. (2023). Pengaruh Pendidikan dan Kelompok Umur Terhadap Pemahaman Materi Literasi Keuangan di Wilayah Prakasa Peningkatan Pengembangan Pertanian dan Pemberdayaan Pedesaan (READSI) Kabupaten Sambas Kalimantan Barat. *Jurnal AgroSainTa: Widyaiswara Mandiri Membangun Bangsa*, 6(2), 67–78. <https://doi.org/10.51589/ags.v6i2.3131>
- Rufaidah, V. W., Andriani, J., & Widaningsih, D. (2012). Perilaku Penyuluh Pertanian Dalam Pemenuhan Kebutuhan Informasi. *Agriculture Extension Workers Behavior In Fulfillment of Information Needs. Jurnal Perpustakaan Pertanian*, 21(2), 28–36. <https://doi.org/10.21082/jpp.v31n1.2022.p28-36>
- Rusdiyana, E., Sutrisno, E., & Harsono, I. (2024). A Bibliometric Review of Agriculture in Rural Development. In *West Science Interdisciplinary*, Issue 03).
- artomo, A. F. (2020). Proses Komunikasi dalam Penyuluhan am System of Rice Intensification (SRI). *Jurnal Kirana*, 1(1), 1–g/10.19184/jkr



- Rusliyadi, M., Ardi, Y. W. Y., & Winarno, K. (2023). Binary Logistics Regression Model to Analyze Factors Influencing Technology Adoption Process Vegetable Farmers Case in Central Java Indonesia. In *Proceedings of the International Symposium Southeast Asia Vegetable 2021 (SEAVEG 2021)* (pp. 460–470). Atlantis Press International BV. https://doi.org/10.2991/978-94-6463-028-2_48
- Ruyadi, I. (2015). Pemanfaatan Brosur dan Leaflet Sebagai Media Informasi dan Komunikasi Pertanian. In *Buletin Agro-Infotek* (Vol. 1, Issue 1).
- Safitri, E., Arif, E., & Asmawi. (2021). Penggunaan Media Sosial dalam Penyuluhan Pertanian di Kecamatan Tiung Kabupaten Dharmasraya. *Jurnal Niara*, 13(2), 92–101.
- Salam, M., Jamil, M. H., Tenriawaru, A. N., Kamarulzaman, N. H., Syam, S. H., Rahmadanih, Ramadhani, A., Bidangan, A. M., Muslim, A. I., Bakheet Ali, H. N., & Ridwan, M. (2024). The effectiveness of agricultural extension in rice farming in Bantaeng Regency, Indonesia: Employing structural equation modeling in search for the effective ways in educating farmers. *Journal of Agriculture and Food Research*, 18, 101487. <https://doi.org/10.1016/j.jafr.2024.101487>
- Salam, M., Rukka, R. M., Samma, M. A. N. K., Tenriawaru, A. N., Rahmadanih, Muslim, A. I., Ali, H. N. B., & Ridwan, M. (2024). The causal-effect model of input factor allocation on maize production: Using binary logistic regression in search for ways to be more productive. *Journal of Agriculture and Food Research*, 16. <https://doi.org/10.1016/j.jafr.2024.101094>
- Salukh, V. M., Sipayung, B. P., Pramita, D. A., & Joka, J. (2022). Efektivitas Penggunaan Pupuk Bersubsidi di Kecamatan Biboki Moenleu Kabupaten Timor Tengah Utara (Studi Kasus Desa Oepuah). *Prosiding Seminar Nasional Pembangunan Dan Pendidikan Vokasi Pertanian*, 3(1), 57–76. <https://doi.org/10.47687/snppvp.v3i1.297>
- Saputra, A., Wijayanti, T., & Jannah, R. (2019). Sikap Petani dalam Menerima Materi dan Media Penyuluhan Pertanian di Kelurahan Sengkotek Kecamatan Loa Janan Ilir Kota Samarinda. *Jurnal Agribisnis Dan Komunikasi Pertanian (Journal of Agribusiness and Agricultural Communication)*, 2(1), 45. <https://doi.org/10.35941/akp.2.1.2019.2117.45-52>
- Saputra, M., & Sari, N. (2019). Pelatihan Inovasi dan Pemasaran Produk Pada Kelompok Wanita Tani (KWT) Singkong di Pekon Tanjung Anom Kecamatan Ambarawa Kabupaten Pringsewu. *Dedication : Jurnal Pengabdian Masyarakat*, 3(1), 7–12. <https://doi.org/10.31537/dedication.v3i1.180>



ya, A., & Amanah, S. (2022). Pengaruh Karakteristik Petani terhadap Inovasi Budidaya Cengkeh di Kabupaten Halmahera. *Jurnal Penyuluhan*, 18(02), 208–218. <https://doi.org/10.25015/18202239038>

- Singh, D. (2020). Hypothesis: Meaning, Types And Formulation. Vol. 6(6). www.thelawbrigade.com
- Siringoringo, V. V. M., Bakce, D., & Dewi, N. (2023). Analyzing Supply and Demand Response of Indonesian Cloves in International Market. *Indonesia Journal Of Multydiciplinary Science*, 2(6), 2609–2625.
- Sujianto, Ermianti, & Wahyudi, A. (2020). Institutional model of sustainable development for controlling clove pest management. *IOP Conference Series: Earth and Environmental Science*, 472(1). <https://doi.org/10.1088/1755-1315/472/1/012064>
- Sumekar, W., Subhan Prasetyo, A., & Irsina Nadhila, F. (2021). Tingkat Kinerja Petugas Lapang Program Asuransi Usaha Ternak Sapi (AUTS) di Kecamatan Getasan. In *Jurnal AGRINIK*.Maret-2021 (Vol. 5, Issue 1).
- Suprihanti, A. (2020). Analysis of Clove Agroindustry in Indonesia As an Alternative Green Industry. In *Proceeding International Conference on Green Agro-Industry* (Vol. 4).
- Suratini, S., Muljono, P., & Tri Wibowo, C. (2021). Pemanfaatan Media Sosial untuk Mendukung Kegiatan Penyuluhan Pertanian di Kabupaten Minahasa Provinsi Sulawesi Utara. *Jurnal Penyuluhan*, 17(1), 12–24. <https://doi.org/10.25015/17202132302>
- Suvedi, M., Ghimire, R., & Kaplowitz, M. (2017). Farmers' participation in extension programs and technology adoption in rural Nepal: a logistic regression analysis. In *Journal of Agricultural Education and Extension* (Vol. 23, Issue 4, pp. 351–371). Routledge. <https://doi.org/10.1080/1389224X.2017.1323653>
- Tambo, J. A., Uzayisenga, B., Mugambi, I., Onyango, D. O., & Romney, D. (2023). Sustainable management of fall armyworm in smallholder farming: The role of a multi-channel information campaign in Rwanda. *Food and Energy Security*, 12(2). <https://doi.org/10.1002/fes3.414>
- Tampil, Y. A., Komalig, H., & Langi, Y. (2017). Analisis Regresi Logistik Untuk Menentukan Faktor-Faktor Yang Mempengaruhi Indeks Prestasi Kumulatif (IPK) Mahasiswa FMIPA Universitas Sam Ratulangi Manado. Vol. 6(2).
- Tham-Agyekum, E. K., Abourden, G. A., Bakang, J. E. A., & Juantoa, B. (2024). Cocoa farmers' perspective on the quality of public and private agricultural extension delivery in Southern Ghana. *Heliyon*, 10(9). <https://doi.org/10.1016/j.heliyon.2024.e30797>
- . A., Antika, L. D., & Ernawati, T. (2019). Conversion Eugenol to ion of Antimicrobial Activity. *ISETH*, 594–602.
- mah, M. Y., & Tarore, M. L. G. (2019). Pendekatan Metode rtanian Usaha Tani Cabai di Desa Tiwoho Kecamatan Worihahasa Utara (Vol. 15).



- Ullah, M. R., Mao, J., & Nasrullah, M. (2024). Climate change awareness and adoption measurements of respondents toward food security in Khyber Pakhtunkhwa, Pakistan. *Journal of Water and Climate Change*. <https://doi.org/10.2166/wcc.2024.275>
- Utami, A. D., & Alrajabi, P. (2023). Cosmopolitan Communication Behavior Among Agricultural Extension Workers In The Use Of Information Media In The Digital Era At Cianjur District. *MEDIOVA: Journal of Islamic Media Studies*, 3(2), 124–145. <https://doi.org/10.32923/medio.v3i2.3836>
- Wahyuningsih, W., Susilo, S., & Anwarudin, O. (2021). Factors That Determine the Income of Beef Cattle Farmers and Its Contribution to Household Income. Vol. 48(8) (Vol. 48, Issue 8).
- Wibowo, L. S., Saleh, Y., & Lagarusu, L. (2023). Pengaruh Pemanfaatan Media Terhadap keberhasilan Kegiatan Penyuluhan Pertanian Padi di Kecamatan Anggrek kabupaten Gorontalo Utara. *Jurnal Arinesia*, VOL. 7(2).
- Widaningrum, I., & Aji, J. M. M. (2023). Efisiensi Alokatif Penggunaan Faktor Produksi pada Usahatani Cengkeh di Desa Sawahan Kecamatan Sawahan Kabupaten Nganjuk. *Jurnal Agroinfo Galuh*.
- Wijeratne, M., & De Silva, W. N. (2024). The Paradigm Shift of Agricultural Extension from Technology Transfer Towards Participatory Approaches. *Journal of Agricultural Sciences - Sri Lanka*, 19(1), 1–13. <https://doi.org/10.4038/jas.v19i1.9851>
- Windani, M., Fatimah Yusuf, I., Agribisnis, J., Pertanian, F., & Yogyakarta JI Nangka, I. I. (2022). Respon Dan Tingkat Adopsi Petani Terhadap Program Corporate Farming Di Desa Trimulyo Kabupaten Bantul-DIY. In *Jurnal AgribiSains* ISSN (Vol. 1).
- Yuniarsih, E. T., Salam, M., Jamil, M. H., & Nixia Tenriawaru, A. (2024). Determinants determining the adoption of technological innovation of urban farming: Employing binary logistic regression model in examining Rogers' framework. *Journal of Open Innovation: Technology, Market, and Complexity*, 10(2). <https://doi.org/10.1016/j.joitmc.2024.100307>
- Yuslana, E., Anantanyu, S., & Rusdiyana, E. (2020). Faktor-faktor yang mempengaruhi kompetensi petani dalam melakukan usahatani ikan air tawar di kecamatan Polanharjo kabupaten Klaten. *Agromix*, 11(2), 202–217. <https://doi.org/10.35891/agx.v11i2.2022>

