

## DAFTAR PUSTAKA

- Abbas, M. H. (2011). Unggas Organik : Peternakan Ayam Masa Depan. *Jurnal Peternakan Indonesia (Indonesian Journal of Animal Science)*, 13(2), 107–119. <https://doi.org/10.25077/jpi.13.2.107-119.2011>
- Abbasi, I. A., Ashari, H., Ariffin, A. S., & Yusuf, I. (2023). Farm to Fork: Indigenous Chicken Value Chain Modelling Using System Dynamics Approach. *Sustainability (Switzerland)*, 15(2). <https://doi.org/10.3390/su15021402>
- Abdelqader, A., Wollny, C. B. A., & Gaulty, M. (2007). Characterization of local chicken production systems and their potential under different levels of management practice in Jordan. *Tropical Animal Health and Production*, 39(3). <https://doi.org/10.1007/s11250-007-9000-x>
- Abdullah, A. (2015). Analisis Potensi Sumberdaya Peternak Untuk Pengembangan Integrasi Sapi Potong dan Tanaman Pangan. *Jurnal Peternakan Integratif*, 4(1), 11–20.
- Abrar, H., Khomsan, A., & Heryatno, Y. (2008). Analisis Kemandirian Pangan Asal Ternak Dalam Rangka Memantapkan Ketahanan Pangan di Kabupaten Lampung Barat. *Gizi Dan Pangan*, 3(3), 205–211.
- Adesogan, A. T., Havelaar, A. H., McKune, S. L., Eilittä, M., & Dahl, G. E. (2020). Animal source foods: Sustainability problem or malnutrition and sustainability solution? Perspective matters. In *Global Food Security* (Vol. 25). Elsevier B.V. <https://doi.org/10.1016/j.gfs.2019.100325>
- Afolabi, K. D. (2013). Local or indigenous chicken production: A key to food security, poverty alleviation, disease mitigation and socio-cultural fulfilment in africa. In *Sustainable Food Security in the Era of Local and Global Environmental Change*. [https://doi.org/10.1007/978-94-007-6719-5\\_14](https://doi.org/10.1007/978-94-007-6719-5_14)
- Agrofarm. (2020). *Minahasa Panen Jagung Hibrida 6,8 Ton per Ha*. Agrofarm.Co.Id. <https://www.agrofarm.co.id/2020/09/27885/>
- Ahuja, V., Dhawan, M., Punjabi, M., & Maarse, L. (2008). *Poultry Based Livelihoods of Rural Poor: Case of Kuroiler in West Bengal* (Vol. 012, Issue April).
- Ajetunmobi, O. (2024). Socio-economic impact of food insecurity on vulnerable population in Nigeria. *Journal of Agriculture, Food Systems, and Community Development*, 1–6. <https://doi.org/10.5304/jafscd.2024.134.010>
- Aklilu, H. A., Udo, H. M. J., Almekinders, C. J. M., & Van der Zijpp, A. J. (2008a). How resource poor households value and access poultry: Village poultry keeping in Tigray, Ethiopia. *Agricultural Systems*, 96(1), 175–183. <https://doi.org/https://doi.org/10.1016/j.agsy.2007.07.008>
- Aklilu, H. A., Udo, H. M. J., Almekinders, C. J. M., & Van der Zijpp, A. J. (2008b). How resource poor households value and access poultry: Village poultry keeping in Tigray, Ethiopia. *Agricultural Systems*, 96(1–3). <https://doi.org/10.1016/j.agsy.2007.07.008>
- Alemayehu Belew, T., Getachew Kebede, F., & Bruno, J. (2018). *Socio-economic, marketing and gender aspects of village chicken production in the tropics: A review of literature*. ILRI Editorial and Publishing Services. <https://www.researchgate.net/publication/331482040>
- Ali, A., Chakravarty, M., Rajbongshi, A., Deka, M., Mazumdar, H., Bhuyan, S., & Ali, N. F. (2020). Backyard poultry farming empowering women for doubling farmers' income. *Journal of Entomology and Zoology Studies*, 8(2).

- Ali, A., & Khan, M. A. (2013). Livestock Ownership in Ensuring Rural Household Food Security in Pakistan. In *J. Anim. Plant Sci* (Vol. 23, Issue 1).
- Ali, B., & Dahlhaus, P. (2022). Roles of Selective Agriculture Practices in Sustainable Agricultural Performance: A Systematic Review. *Sustainability (Switzerland)*, 14(6). <https://doi.org/10.3390/su14063185>
- Alibekova, G., Alzhanova, F., Osmanov, Z., & Omarov, A. (2023). Regional Specialization and Diversification of Industries in Kazakhstan. *Journal of Eastern European and Central Asian Research*, 10(5). <https://doi.org/10.15549/jeecar.v10i5.1096>
- Aliman, Prayuginingsih, H., & Widjayanti, F. N. (2017). Profil dan Analisis Potensi Wilayah Untuk Pengembangan Usaha Ternak Sapi Potong di Kecamatan Tenggarang Kabupaten Bondowoso. *Agribest*, 35(3), 1–13.
- Almasi, J., Mwaseba, D. L., Athman, A. K., & Shausi, G. L. (2023). Small-Scale Chicken Farmers' Use of Social Media to Access Market Information in Arusha City, Tanzania. *Asian Journal of Agricultural Extension, Economics & Sociology*, 41(10). <https://doi.org/10.9734/ajaees/2023/v41i102255>
- Al-Ogaili, A. S., & Hameed, S. S. (2021). Development of lymphocyte subpopulations in local breed chickens. *Veterinary World*, 14(7). <https://doi.org/10.14202/vetworld.2021.1846-1852>
- Al-Qamashoui, B., Mahgoub, O., Kadim, I., & Schlecht, E. (2014). Towards conservation of omani local chicken: Phenotypic characteristics, management practices and performance traits. *Asian-Australasian Journal of Animal Sciences*, 27(6). <https://doi.org/10.5713/ajas.2013.13541>
- Amruddin, A., Yovita, Y., Sulandjari, K., Tanur, E. A., & Andriyani, L. Y. (2024). Sustainable Agricultural Practices and Environmental Stewardship: A Global Analysis of Farmer Adoption and Impact. *Global International Journal of Innovative Research*, 2(3), 595–603. <https://doi.org/10.59613/global.v2i3.114>
- Arma, kartika aditya, Kanthi, widayati arum, Burhanuddin, Maria, U., & Achmad, F. (2016). Eksplorasi Preferensi Masyarakat Terhadap Pemanfaatan Ayam Lokal di Kabupaten Bogor Jawa Barat (People's Preference of Indonesian Native Chicken Use in Bogor District, West Java). *Jurnal Ilmu Pertanian Indonesia*, 21(3).
- Arsyad, A. H. (2012). *Laporan Penelitian Analisis Potensi Daya Dukung Pengembangan Peternakan Sapi Potong di Kabupaten Pohuwato*.
- Asfaw, Y., Ameni, G., Medhin, G., Alemayehu, G., & Wieland, B. (2019). Infectious and parasitic diseases of poultry in Ethiopia: a systematic review and meta-analysis. *Poultry Science*, 98(12). <https://doi.org/10.3382/ps/pez521>
- Awoke Eshetae, M., Abera, W., Tamene, L., Mulatu, K., & Tesfaye, A. (2024). Understanding farm typology for targeting agricultural development in mixed crop-livestock farming systems of Ethiopia. *Farming System*, 2(3). <https://doi.org/10.1016/j.farsys.2024.100088>
- Ayioko, M. O. D., Bett, E. K., & Kabuage, L. W. (2015). Analysis of Indigenous Chicken Marketing Participation Decisions: The Case of Producers from Makueni County, Kenya. *East African Agricultural and Forestry Journal*, 81(1). <https://doi.org/10.1080/00128325.2015.1040643>
- Azar, Moh. A. S., Rozi, A. F., Falih, A. A., & Reza<sup>4</sup>, A. F. (2022). Pemanfaatan Batang Pisang Sebagai Pakan Ternak. *Jurnal Bakti Kita*, 03(01), 29–36.
- Azhari, D. S., Afif, Z., Kustati, M., & Sepriyanti, N. (2023). Penelitian Mixed Method Research Untuk Disertasi. *INNOVATIVE: Journal of Social Science Research*, 3(2), 8010–8025.

- 'Azhima, M. F., Deniar, S. M., Nugraha, T. C., & Salahudin, S. (2023). Six Pillars of Global Food Security In Indonesia: A Systemic Literature Review. *Sosiohumaniora*, 25(3), 419–429. <https://doi.org/10.24198/sosiohumaniora.v25i3.43549>
- Azizah, S., Aprylasari, D., H. Djunaidi, I., Rachmawati, A., & Indrati, R. (2024). Empowering Poultry Farmers Through Training on Preparing Feed Rations Based on Local Raw Materials in Mojokerto Regency. *Jurnal Pengabdian Kolaborasi Dan Inovasi IPTEKS*, 2(4), 1264–1273. <https://doi.org/10.59407/jpki2.v2i4.1132>
- Badan Pangan Nasional. (2023). *Indeks Ketahanan Pangan Tahun 2023*. <https://satudata.badanpangan.go.id/>
- Badan Pusat Statistik. (2024). *Prevalensi ketidakcukupan konsumsi pangan*. <https://www.bps.go.id/id/statistics-table/2/MTQ3MyMy/prevalensi-ketidakcukupan-konsumsi-pangan.html>
- Badan Pusat Statistik Kabupaten Minahasa. (2024). *Curah Hujan, Rata-Rata Kelembaban Udara dan Rata-Rata Suhu di Kabupaten Minahasa*. Curah Hujan, Rata-Rata Kelembaban Udara dan Rata-Rata Suhu. Diakses pada 12 Februari 2025, dari <https://minahasakab.bps.go.id/id/statistics-table/2/MTA0lzl=/curah-hujan-rata-rata-kelembaban-udara-dan-rata-rata-suhu.html>
- Badan Pusat Statistik Sulawesi Utara. (2022). Pengamatan Curah Hujan. In *BPS Sulawesi Utara*.
- Badan Pusat Statistik Sulawesi Utara. (2023). Luas panen produksi dan rata-rata produksi padi. In <https://sulut.bps.go.id/indicator:> Vol. (Issue, p. 2).
- Bamji, M. S., Murty, P. V. V. S., & Sudhir, P. D. (2021). Nutritionally sensitive agriculture—an approach to reducing hidden hunger. In *European Journal of Clinical Nutrition* (Vol. 75, Issue 7). <https://doi.org/10.1038/s41430-020-00760-x>
- Bari, F. (2021). The Role of The Village Government in Empowering the Farming Community at Pakondang Village, Rubaru District, Sumenep Regency. *JURNAL SETIA PANCASILA*, 2(1). <https://doi.org/10.36379/jsp.v2i1.178>
- Barrett, C. B., & Lentz, E. C. (2009). *Food Insecurity*. <https://www.researchgate.net/publication/228246826>
- Belussi, F., & Caldari, K. (2009). At the origin of the Industrial District: Alfred Marshall and the Cambridge school. *Cambridge Journal of Economics*, 33(2), 1–30. <https://doi.org/10.1093/cje/ben041>
- Bermeo-Giraldo, M. C., Valencia-Arias, A., Ramos de Rosas, J. D., Benjumea-Arias, M., & Villanueva Calderón, J. A. (2022). Factors Influencing the Use of Digital Marketing by Small and Medium-Sized Enterprises during COVID-19. *Informatics*, 9(4). <https://doi.org/10.3390/informatics9040086>
- Bidi, T. N., Matsika, A., & Mukorera, A. (2023). The Impact of Poultry Production on the Empowerment of Rural Women: Lessons from the Indigenous Poultry Value Chain Project. *International Journal of Research and Innovation in Social Science*, VII(VIII). <https://doi.org/10.47772/ijriss.2023.7825>
- Birhanu, M. Y., Osei-Amponsah, R., Yeboah Obese, F., & Dessie, T. (2023). Smallholder poultry production in the context of increasing global food prices: roles in poverty reduction and food security. *Animal Frontiers*, 13(1). <https://doi.org/10.1093/af/vfac069>

- Bookstaver, M. (2021). Secondary Data Analysis. In *The Encyclopedia of Research Methods in Criminology and Criminal Justice* (pp. 531–534). <https://doi.org/https://doi.org/10.1002/9781119111931.ch107>
- Bounds, M dan Zinyemba, O. (2018). Poultry farming: Lessening Poverty in Rural Areas. *S.Afr.J.Agric.Ext*, 46(1), 59–70. <https://doi.org/10.37138/1425-032-001-012>
- Bounds, M., & Zinyemba, O. (2018). Poultry Farming: Lessening Poverty in Rural Areas. *South African Journal of Agricultural Extension*, 46(1). <https://doi.org/10.17159/2413-3221/2018/v46n1a436>
- BPS Kabupaten Minahasa. (2022). *Kabupaten Minahasa Dalam Angka*.
- BPS Kabupaten Minahasa. (2024a). *Kabupaten Minahasa Dalam Angka 2024*.
- BPS Kabupaten Minahasa. (2024b). *Kabupaten Minahasa Dalam Angka 2024*.
- BPS Minahasa. (2022). *Kabupaten Minahasa Dalam Angka 2022*.
- BPS Provinsi Sulawesi Utara. (2013). *Sensus Pertanian 2013*.
- Bucagu, C., Vanlauwe, B., Van Wijk, M. T., & Giller, K. E. (2014). Resource use and food self-sufficiency at farm scale within two agro-ecological zones of Rwanda. *Food Security*, 6(5). <https://doi.org/10.1007/s12571-014-0382-0>
- Budiman, V. P., Susilo, N. H., Arifin, Astawan, M., Zahratu, A. L., & Azra. (2015). Penguatan Ketahanan Pangan Masyarakat Berbasis Pekarangan Kawasan: Studi Kasus di Kabupaten Bandung dan Bogor. *Prosding Seminar Nasional Dan Lokakarya Forum Komunikasi Perguruan Tinggi Pertanian Indonesia (FKPTPI): Membangkitkan Patriotisme Pertanian “Sebuah Harapan Untuk Pemerintahan Baru,”* 1, 170–180.
- C. O. Michael, F. E. Esene, & S. E. Okundaye. (2019). Competence Level in the Use of Social Media by Urban Poultry Farmers in Ikorodu LGA, Lagos State, Nigeria. *New Media and Mass Communication*, 81, 1–7. <https://doi.org/10.7176/nmmc/81-03>
- Camus, A., Arthur, F., Richard, O.-A., Nourou, D. A., Robert, G., Marie-Christelle, F., Guilherme, J. M. R., & Farougou, S. S. (2020). Native chicken farming: A tool for wealth creation and food security in Benin. *International Journal of Livestock Production*, 11(4). <https://doi.org/10.5897/ijlp2020.0716>
- Candy, S., Sheridan, J., & Jackson, S. (2017). A citizen science approach to obtain quantitative measurements of urban agriculture inputs and outputs in Melbourne. *State of Australian Cities National Conference 2017*.
- Carolyn Boyce, B. (2006). *Monitoring and Evaluation-2 CONDUCTING IN-DEPTH INTERVIEWS: A Guide for Designing and Conducting In-Depth Interviews for Evaluation Input* (pp. 2–12).
- Cavalli-Sforza, L. L., & Feldman, M. W. (1981). *Cultural transmission and evolution: A quantitative approach* (Issue 16). Princeton University Press.
- Chebo, C., & Nigussie, H. (2016). Performances, breeding practices and trait preferences of local chicken ecotypes in southern zone of tigray, northern ethiopia. *Asian Journal of Poultry Science*, 10(3). <https://doi.org/10.3923/ajpsaj.2016.158.164>
- Christian, A. K., Wilson, M. L., Aryeetey, R. N. O., & Jones, A. D. (2019). Livestock ownership, household food security and childhood anaemia in rural Ghana. *PLoS ONE*, 14(7). <https://doi.org/10.1371/journal.pone.0219310>
- Clapp, J., Moseley, W. G., Burlingame, B., & Termine, P. (2022). Viewpoint: The case for a six-dimensional food security framework. *Food Policy*, 106. <https://doi.org/10.1016/j.foodpol.2021.102164>

- Clarke, Brian. (2004). *Poultry for profit and pleasure*. Agricultural Support Systems Division, Food and Agriculture Organization of the United Nations.
- Collishaw, A., Janzen, S., Mullally, C., & Camilli, H. (2023). A review of livestock development interventions' impacts on household welfare in low- and middle-income countries. In *Global Food Security* (Vol. 38). <https://doi.org/10.1016/j.gfs.2023.100704>
- Conteh, A. M., & Gogra, A. B. (2020). Investigation of native chicken mortality/loss in the free-range system: Causes, control measures and impact to farmers at the household level, Moyamba District, Southern Sierra Leone. *Journal of Animal Science and Veterinary Medicine*, 5(4), 97–108. <https://doi.org/10.31248/JASVM2019.163>
- Copland, J. W., & Alders, R. G. (2005). The Australian village poultry development programme in Asia and Africa. *World's Poultry Science Journal*, 61(1). <https://doi.org/10.1079/WPS200439>
- Creswell, J. W. (2013). *Qualitative inquiry and research design: choosing among five approaches: Vol. Edisi 3*.
- Creswell, J. W. (2018a). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. *Journal of Chemical Information and Modeling*, 53.
- Creswell, J. W. (2018b). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. *Journal of Chemical Information and Modeling*, 53.
- da Costa, G. V., Neves, C. S. V. J., & Telles, T. S. (2020). Spatial dynamics of orange production in the state of paran, Brazil. *Revista Brasileira de Fruticultura*, 42(2). <https://doi.org/10.1590/0100-29452020525>
- Daba, A. K., Murimi, M., Abegaz, K., & Hailu, D. (2021). Determinants and constraints to household-level animal source food consumption in rural communities of Ethiopia. *Journal of Nutritional Science*, 10. <https://doi.org/10.1017/jns.2021.52>
- Danso-Abbeam, G., Ogundeji, A. A., Asale, M. A., & Baiyegunhi, L. J. S. (2024). Effects of livestock ownership typology on household food security in rural Lesotho. *GeoJournal*, 89(2). <https://doi.org/10.1007/s10708-024-11049-y>
- de Groot, H. L. F., Poot, J., & Smit, M. J. (2009). Agglomeration externalities, innovation and regional growth: Theoretical perspectives and meta-analysis. In *Handbook of Regional Growth and Development Theories*. <https://doi.org/10.4337/9781848445987.00022>
- Dennison, S. R. (1939). Report on the Location of Industry in Great Britain. In *The Economic Journal* (Vol. 49, Issue 194). <https://doi.org/10.2307/2225105>
- Dessie, T., & Ogle, B. (2001). Village poultry production systems in the central highlands of Ethiopia. *Tropical Animal Health and Production*, 33(6). <https://doi.org/10.1023/A:1012740832558>
- Desta, T. T. (2021a). Indigenous village chicken production: a tool for poverty alleviation, the empowerment of women, and rural development. In *Tropical Animal Health and Production* (Vol. 53, Issue 1, pp. 1–16). Springer Science and Business Media B.V. <https://doi.org/10.1007/s11250-020-02433-0>
- Desta, T. T. (2021b). Indigenous village chicken production: a tool for poverty alleviation, the empowerment of women, and rural development. *Tropical Animal Health and Production*, 53(1), 1–17. <https://doi.org/10.1007/s11250-020-02433-0>
- Desta, T. T., & Wakeyo, O. (2012). Uses and flock management practices of scavenging chickens in Wolaita Zone of southern Ethiopia. *Tropical Animal Health and Production*, 44(3). <https://doi.org/10.1007/s11250-011-9933-y>

- Deze, R.L. Bhae, C. Y. N. (2021). *Peranan Ayam Lokal Dalam Sudut Pandang Adat Budaya Bajawa Ngada*. 3(10), 2148–2154.
- Dolberg, F. (2003a). Review of Household Poultry Production as a Tool in Poverty Reduction with Focus on Bangladesh and India. In *PPLPI Working Paper* (Issue 6, pp. 1–41).
- Dolberg, F. (2003b). Review of Household Poultry Production as a Tool in Poverty Reduction with Focus on Bangladesh and India. In *PPLPI Working Paper* (Issue 6, pp. 1–41).
- Dragan, I.-M., & Isaic-Maniu, A. (2022). An Original Solution for Completing Research through Snowball Sampling—Handicapping Method. *Advances in Applied Sociology*, 12(11). <https://doi.org/10.4236/aasoci.2022.1211052>
- Dube, S., Nyathi, S., & Mpala, C. (2017). The Role of Indigenous Knowledge Systems (IKS) in Chicken Rearing: The Case of Tshongogwe Communal Area in Lupane District, Zimbabwe. *J Hum Ecol*, 57(3), 143–147. <https://doi.org/10.1080/09709274.2017.1305628>
- Dumas, S. E., Maranga, A., Mbullo, P., Collins, S., Wekesa, P., Onono, M., & Young, S. L. (2018). “Men Are in Front at Eating Time, but Not When It Comes to Rearing the Chicken”: Unpacking the Gendered Benefits and Costs of Livestock Ownership in Kenya. *Food and Nutrition Bulletin*, 39(1). <https://doi.org/10.1177/0379572117737428>
- Dwiarti, R., Utomo, S., & Rasminati, N. (2016a). Ipteks Bagi Masyarakat Desa Banyusidi Untuk Pengentasan Kemiskinan Melalui Agribisnis Ayam Kampung. *Jurnal Abdimas*, 20(2).
- Dwiarti, R., Utomo, S., & Rasminati, N. (2016b). Ipteks Bagi Masyarakat Desa Banyusidi Untuk Pengentasan Kemiskinan Melalui Agribisnis Ayam Kampung. *Jurnal Abdimas*, 20(2), 113–118.
- Ebitu, L., Avery, H., Mourad, K. A., & Enyetu, J. (2021). Citizen science for sustainable agriculture – A systematic literature review. *Land Use Policy*, 103. <https://doi.org/10.1016/j.landusepol.2021.105326>
- Edi, D. N. (2020). Analysis of Regional Potency and Local Feed Resources to Develop Native Chicken in East Java Province. *Jurnal Ternak*, 10(10), 10–20. <https://doi.org/10.30736/jy.v11i2.74>
- El-Deek, A. A., Abdel-Wareth, A. A. A., Osman, M., El-Shafey, M., Khalifah, A. M., Elkomy, A. E., & Lohakare, J. (2020). Alternative feed ingredients in the finisher diets for sustainable broiler production. *Scientific Reports*, 10(1). <https://doi.org/10.1038/s41598-020-74950-9>
- Elgar, G. (2014). *Transmission of Traditional Agricultural Knowledge: Intergenerational or International? Examining Youth’s Involvement in Agriculture* [University of New Hampshire Durham]. [https://digitalcollections.sit.edu/isp\\_collection](https://digitalcollections.sit.edu/isp_collection)
- Elly, F. H., Manese, M., Santa, N. M., & Lumenta, I. D. R. (2015). Analysis of Livestock Product Consumption Coastal Household in North Minahasa Regency. *Procedia Food Science*, 3. <https://doi.org/10.1016/j.profoo.2015.01.040>
- Elly F.H., Kalangi, J. K. J., Kalangi, L., & Umboh, S. J. K. (2015). Keuntungan Usaha Ternak Ayam Buras Pedaging dalam Menunjang Agribisnis. *Seminar Nasional Peternakan Berkelanjutan*, 765–768.
- Fadhilullah, M. (2015). THE MEANING BEHIND THROWING CHICKEN IN WEDDING CEREMONY Study of Kudus Kulon AndWetan Society. *Teosofia*:

- Indonesian Journal of Islamic Mysticism*, 4(2).  
<https://doi.org/10.21580/tos.v4i2.1717>
- Fahrullah, F., Ervandi, M., Mokoolang, S., Gobel, Y. A., & Djibran, Moh. M. (2023). Penyuluhan Peningkatan Produktivitas Ternak Melalui Teknologi Inseminasi Buatan (IB). *SELAPARANG: Jurnal Pengabdian Masyarakat Berkemajuan*, 7(1). <https://doi.org/10.31764/jpmb.v7i1.13336>
- Falculan, K. N., & Aungon, C. S. (2023). Performance of Poultry Farmers in Agriculture Sector: A Case of the Poultry Farmers in Odiongan, Romblon. *Indonesian Journal of Agriculture and Environmental Analytics*, 2(1), 55–68. <https://doi.org/10.55927/ijaea.v2i1.3849>
- Fanatico, A. C., Brewer, V. B., Owens-Hanning, C. M., Donoghue, D. J., & Donoghue, A. M. (2013). Free-choice feeding of free-range meat chickens. *Journal of Applied Poultry Research*, 22(4). <https://doi.org/10.3382/japr.2012-00687>
- Fanatico, A. C., Owens-Hanning, C. M., Gunsaulis, V. B., & Donoghue, A. M. (2016). Choice feeding of protein concentrate and grain to organic meat chickens. *Journal of Applied Poultry Research*, 25(2). <https://doi.org/10.3382/japr/pfv076>
- FAO. (2011). Activity report: Pan-African Conference on the launch of the Kuroiler chicken in Uganda by J. C. Fosta & K. Ngeno. In *Family Poultry Communications*.
- FAO. (2021). The impact of disasters and crises on agriculture and food security: 2021. In *The impact of disasters and crises on agriculture and food security: 2021*. FAO. <https://doi.org/10.4060/cb3673en>
- Food and Agriculture Organization of the United Nations. (2013). *Poultry development review*.
- Foundation, P. (2020). *Pangan dan ketahanan pangan* (pp. 3–30).
- Franzoni, A., Gariglio, M., Castillo, A., Soglia, D., Sartore, S., Buccioni, A., Mannelli, F., Cassandro, M., Cendron, F., Castellini, C., Mancinelli, A. C., Cerolini, S., Sayed, A. A., Iaffaldano, N., Di Iorio, M., Marzoni, M., Salvucci, S., & Schiavone, A. (2021). Overview of native chicken breeds in Italy: Small scale production and marketing. *Animals*, 11(3). <https://doi.org/10.3390/ani11030629>
- Frasiska, N., Wulansari, P. D., & Rahayu, N. (2020). Model Pengembangan Peternakan Ayam Buras Backyard Farming di Desa Guranteng, Kecamatan Pagerageung, Kabupaten Tasikmalaya. *Media Kontak Tani Ternak*, 2(1), 18–24. <https://doi.org/10.24198/mktt.v2i1.24784>
- Frenken, K., Van Oort, F., & Verburg, T. (2007). Related variety, unrelated variety and regional economic growth. *Regional Studies*, 41(5). <https://doi.org/10.1080/00343400601120296>
- Gao, X., Shi, X., Guo, H., & Liu, Y. (2020). To buy or not buy food online: The impact of the COVID-19 epidemic on the adoption of e-commerce in China. *PLoS ONE*, 15(8 August). <https://doi.org/10.1371/journal.pone.0237900>
- Gubernur Sulawesi Utara. (2021). *Pergub No. 19 Tahun 2021*.
- Guéye, E. F. (2009). Small-scale Family Poultry Production: The role of networks in information dissemination to family poultry farmers. *World's Poultry Science Journal*, 65(1), 115–124. <https://doi.org/10.1017/S0043933909000009>
- Guéye, E. F. (2009). The role of networks in information dissemination to family poultry farmers. *World's Poultry Science Journal*, 65(1). <https://doi.org/10.1017/s0043933909000009>

- Gyeltshen, T., Udo, H. M. J., Steenstra, F., & Viets, T. (2012). Characteristics of village chicken production-why indigenous chickens? In *Bhu.J.RNR* (Vol. 8, Issue 1).
- Hafez, H. M., & Attia, Y. A. (2020). Challenges to the Poultry Industry: Current Perspectives and Strategic Future After the COVID-19 Outbreak. *Frontiers in Veterinary Science*, 7(516), 1–16. <https://doi.org/10.3389/fvets.2020.00516>
- Handewi, P. S., Rachman, & Mewa Ariani. (2002). Ketahanan Pangan: Konsep, Pengukuran, dan Strategi. *FAE*, 20(1), 12–24.
- Hartcher, K. M., & Jones, B. (2017). The welfare of layer hens in cage and cage-free housing systems. *World's Poultry Science Journal*, 73(4). <https://doi.org/10.1017/S0043933917000812>
- Hasrianti Silondae, Mujtahidah Anggriani Ummul Muzayyanah, Endang Sulastri, & Budi Guntoro. (2024). Assessment of Local Chicken Production Base Area in Minahasa Regency: A Location Quotient Approach. *AGRARIS: Journal of Agribusiness and Rural Development Research*, 10(1), 120–135. <https://doi.org/10.18196/agraris.v10i1.230>
- Hata, A., Nunome, M., Suwanasopee, T., Duengkae, P., Chaiwatana, S., Chamchumroon, W., Suzuki, T., Koonawootrittriron, S., Matsuda, Y., & Srikulnath, K. (2021). Origin and evolutionary history of domestic chickens inferred from a large population study of Thai red junglefowl and indigenous chickens. *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-021-81589-7>
- Hatab, A. A., Cavinato, M. E. R., & Lagerkvist, C. J. (2019). Urbanization, livestock systems and food security in developing countries: A systematic review of the literature. *Food Security*, 11(2), 279–299. <https://doi.org/10.1007/s12571-019-00906-1>
- Heinke, J., Lannerstad, M., Gerten, D., Havlík, P., Herrero, M., Notenbaert, A. M. O., Hoff, H., & Müller, C. (2020). Water Use in Global Livestock Production—Opportunities and Constraints for Increasing Water Productivity. *Water Resources Research*, 56(12). <https://doi.org/10.1029/2019WR026995>
- Henuk, Y. L., & Bakti, D. (2018). Benefits of Promoting Native Chickens for Sustainable Rural Poultry Development in Indonesia. *Talenta Conference Series: Agricultural and Natural Resources (ANR)*, 1(1). <https://doi.org/10.32734/anr.v1i1.98>
- Hidayat, C. (2012). Pengembangan Produksi Ayam Lokal Berbasis Bahan Pakan Lokal. *Wartazoa*, 22(2), 85–98.
- Hidayati, Y. A., Marlina, E. T., & Harlia, E. (2023). Penyuluhan dan Pelatihan Pengolahan Hasil Ternak Sebagai Sumber Protein dan Sumber Pendapatan Bagi Keluarga di Desa Cimareme Kecamatan Ngamprah Kabupaten Bandung Barat. *Media Kontak Tani Ternak*, 5(1). <https://doi.org/10.24198/mktt.v5i1.45593>
- Hipra, L. (n.d.). *Do you know the origins of poultry farming?* <https://www.hipra.com/en/animal-health/knowledge/1-Origins-Poultry-Farming>.
- Hobsbawm, E. J. , & T. O. Ranger. (1983). *The Invention of Tradition*. Cambridge University Press.
- Hortúa-López, L., Cerón-Muñoz, M., Zaragoza-Martínez, M., & Angulo-Arizala, J. (2022). Characterization and classification of backyard poultry farming in Boyacá, Colombia, and its effect on food security. *Revista de Investigaciones Veterinarias Del Peru*, 33(6). <https://doi.org/10.15381/rivpe.v33i6.22753>

- <https://healthpolicy.ucla.edu>. (n.d.). Section 4: Key Informant Interviews. In *Health DATA Program – Data, Advocacy and Technical Assistance* .
- Huggins, M. (2024). From Popularity to Suppression: Cockfighting and English Society c.1730 to the 1835 Cruelty to Animals Act. *Sport in History* , 45(1), 53–80. <https://doi.org/10.1080/17460263.2024.2414252>
- Indrayani, I., Andri, & Boyon. (2022). Analisis Peran Ternak Sapi Potong Dalam Pembangunan Ekonomi Subsektor Peternakan di Provinsi Sumatera Barat. *Jurnal Ekono Mi Prtanian Dan Agribisnis (JEPA)*, 6(4), 1416–1426. <https://doi.org/10.21776/ub.jepa.2022.006.04.18>
- Ipara, B. O., Otieno, D. J., Nyikal, R., & Makokha, N. S. (2021). The contribution of extensive chicken production systems and practices to Newcastle disease outbreaks in Kenya. *Tropical Animal Health and Production*, 53(1). <https://doi.org/10.1007/s11250-020-02550-w>
- Iskandar, S. (2006). Strategi Pengembangan Ayam Lokal. *Wartazoa*, 16(4), 190–197.
- Issahaku, G., Kornher, L., Saiful Islam, A. H. M., & Abdul-Rahaman, A. (2023). Heterogeneous impacts of home-gardening on household food and nutrition security in Rwanda. *Food Security*, 15(3). <https://doi.org/10.1007/s12571-023-01344-w>
- Jeanee B. Nikijuluw. (2013). Analisis Sektor Ekonomi Unggulan Kabupaten/Kota di Propinsi Maluku. *Cita Ekonomika Jurnal Ekonomi*, VII(2), 1.
- Juliarso, A., & Djadjuli, R. D. (2019). Analisis Penyaluran Raskin Dalam Pengentasan Kemiskinan Di Desa Sukamulya Kecamatan Cihaurbeuti Kabupaten Ciamis. *Dinamika: Jurnal Ilmiah Ilmu ...*, 20–29.
- Kabir, M. S., Asaduzzaman, M., & Dev, D. S. (2015). Livelihood Improvement Through Family Poultry Farming in Mymensingh District. *J.Bangladesh Agril.Univ.*, 13(2), 247–256.
- Kalangi, J. J. K., & Lainawa, J. (2018). Analisis Formulasi Strategi Pengembangan Usaha Peternakan Ayam Kampung di Sulawesi Utara. *Prosiding Seminar Nasional PERSEPSI III: STRATEGI DAN KEBIJAKAN PENGEMBANGAN BISNIS PETERNAKAN DALAM MENDUKUNG KEDAULATAN PANGAN NASIONAL*, 15(2), 166–172.
- Kalangi, J. K. J., & Lainawa, J. (2018). Analisis Formulasi Strategi Pengembangan Usaha Peternakan Ayam Kampung di Sulawesi Utara. *SEMNAS PERSEPSI III MANADO*, 166–172.
- Kalangi, J. K. J., Lainawa, J., & Rahasia, C. A. (2021a). Farmer Empowerment Strategy in Improving Local Chicken Farming Businesses in Minahasa District, North Sulawesi Province. *International Research Journal of Advanced Engineering and Science*, 6(1).
- Kalangi, J. K. J., Lainawa, J., & Rahasia, C. A. (2021b). Farmer Empowerment Strategy in Improving Local Chicken Farming Businesses in Minahasa District, North Sulawesi Province. *International Research Journal of Advanced Engineering and Science*, 6(1).
- Kalzum, R. J. (2018). Analisis Location Quotient dalam Penentuan Sektor Basis dan Non Basis di Kabupaten Gorontalo. *Gorontalo Development Review*, 1(1), 29–43. <https://doi.org/10.32662/golder.v1i1.112>
- Keambou, T. C., Kana, J. R., Ngah, A. M., Tedongmo, A. M. Y., Raquel Juliano, S., Lisita, F., & Manjeli, Y. (2016). Socio-economic, technical characteristics

- and challenges to local chicken production in the Western Highlands of Cameroon. *Livestock Research for Rural Development*, 28(3).
- Keller, C., Joshi, S., Joshi, T., Goldmann, E., & Riar, A. (2024). Challenges for crop diversification in cotton-based farming systems in India: a comprehensive gap analysis between practices and policies. *Frontiers in Agronomy*, 6. <https://doi.org/10.3389/fagro.2024.1370878>
- Korpelainen, H. (2023). The Role of Home Gardens in Promoting Biodiversity and Food Security. In *Plants* (Vol. 12, Issue 13). <https://doi.org/10.3390/plants12132473>
- Kpomasse, C. C., Kouame, Y. A. E., N'nanle, O., Houndonougbo, F. M., Tona, K., & Oke, O. E. (2023). The productivity and resilience of the indigenous chickens in the tropical environments: improvement and future perspectives. In *Journal of Applied Animal Research* (Vol. 51, Issue 1). <https://doi.org/10.1080/09712119.2023.2228374>
- Kusmayadi, A. L. A. (2016). Analisis Kearifan Lokal Kampung Adat Tamkesi Sebagai Daya Tarik Wisata Di Kabupaten Timor Tengah Utara Nusa Tenggara. *Urnal Sains Tarapan Pariwisata*, 1(1), 1–11.
- Lee, M. A., Jung, Y., Jo, C., Park, J. Y., & Nam, K. C. (2017). Analysis of consumers' preferences and price sensitivity to native chickens. *Korean Journal for Food Science of Animal Resources*, 37(3). <https://doi.org/10.5851/kosfa.2017.37.3.469>
- Lestari, D., Vania, N., Harini, A., & Lase, J. A. (2021). Strategi dan Prospek Pengembangan Agribisnis Ayam Lokal Indonesia. *Peternakan*, 5(1), 32–39.
- Liu, T. S. (2008). Custom, taste and science: Raising chickens in the Pearl River Delta Region, South China. *Anthropology and Medicine*, 15(1). <https://doi.org/10.1080/13648470801918992>
- Loengbudnark, W., Chankitisakul, V., Duangjinda, M., & Boonkum, W. (2024). Sustainable Growth through Thai Native Chicken Farming: Lessons from Rural Communities. *Sustainability*, 16(17), 7811. <https://doi.org/10.3390/su16177811>
- Lombogia, S. O. B., Lumenta, I. D. R., & Tulung, Y. L. R. (2018). Potensi Pengembangan Usaha Ternak Ayam Buras di Kabupaten Minahasa Sulawesi Utara. *Seminar Nasional Unggas Lokal: Pengembangan Unggas Lokal Di Indonesia*, 122–124.
- Lone, A. H., & Rashid, I. (2024). Harvesting insights: a qualitative exploration of facilitators, inhibitors and information seeking in family-based sustainable organic farm businesses. *Kybernetes*, ahead-of-print(ahead-of-print). <https://doi.org/10.1108/K-12-2023-2598>
- Magaji, A. S. (2023). Pasture-Based Poultry Farming: Approach for Animal Welfare, Nutritional Quality and Environmental Sustainability. *FUDMA Journal of Agriculture and Agricultural Technology*, 9(3). <https://doi.org/10.33003/jaat.2023.0903.01>
- Makmun, Fahmid, I. M., Ali, M. S. S., Saud, M. Y., & Rahmadanih. (2024). Actors and Actor Relations in Laying Hens Business in Blitar Regency. *Advances in Animal and Veterinary Sciences*, 12(1). <https://doi.org/10.17582/journal.aavs/2024/12.1.132.139>
- Manoppo, C. N., & Oktavia, Y. (2020). Aksesibilitas Perempuan terhadap Informasi Pemanfaatan Pekarangan di Kabupaten Minahasa Sulawesi Utara. *JOSETA: Journal of Socio-Economics on Tropical Agriculture*, 2(2). <https://doi.org/10.25077/joseta.v2i2.233>

- Manzvera, J., Mutandwa, E., Katema, T., Stack, J., & Tirivanhu, D. (2023). Indigenous chicken market participation and smallholder farmers' well-being outcomes in Chiredzi and Mwenezi Districts of Zimbabwe. *Journal of Agriculture and Environment for International Development*, 117(1), 5–19. <https://doi.org/10.36253/jaeid-11997>
- Mapiye, C., Mwale, M., Mupangwa, J. F., Chimonyo, M., Foti, R., & Mutenje, M. J. (2008). A research review of village chicken production constraints and opportunities in Zimbabwe. *Asian-Australasian Journal of Animal Sciences*, 21(11). <https://doi.org/10.5713/ajas.2008.r.07>
- Martha, E., & Kresno, S. (2016). *Metodologi penelitian kualitatif*. Jakarta: Rajawali Press.
- Marwa, L. J., Mbaga, S. H., Mutayoba, S. K., & Lukuyu, B. (2018). The productivity and management systems of free range local chickens in rural areas of Babati district, Tanzania. *Livestock Research for Rural Development*, 30(8).
- Masanja, I., Shausi, G. L., & Kalungwizi, V. J. (2023). Factors Influencing Rural Farmers' Access to Agricultural Extension Services Provided by Private Organizations in Kibondo District, Tanzania. *European Journal of Agriculture and Food Sciences*, 5(5), 115–122. <https://doi.org/10.24018/ejfood.2023.5.5.722>
- Matawork, M. (2018). Assessment on consumption and marketing system of chickens in Gena Bossa district, south Ethiopia. *International Journal of Livestock Production*, 9(11), 300–307. <https://doi.org/10.5897/ijlp2018.0450>
- Mayulu, H., & Daru, P. (2019a). Kebijakan Pengembangan Peternakan Berbasis Kawasan: Studi Kasus di Kalimantan Timur. *Journal of Tropical Agrifood*, 1(2), 49–60.
- Mayulu, H., & Daru, T. P. (2019b). kebijakan Pengembangan Peternakan Berbasis Kawasan: Studi Kasus di Kalimantan Timur. *Journal of Tropical Agrifood*, 1(2), 49–60.
- Mayulu, H., Sawitri, E., & Tricahyadinata, I. (2023). The Impact of Covid-19 Pandemic on the Livestock Subsector. *Jurnal Sains Dan Kesehatan (J. Sains Kes.)*, 5(2), 250. <https://doi.org/10.25026/jsk.v5i1.1760>
- Mcaish, C. V., Kusina, J., Madsen, J., & Nyoni, O. (2004). Traditional chicken production in Zimbabwe. *World's Poultry Science Journal*, 60(2). <https://doi.org/10.1079/wps200416>
- Mege, Revolson, A., Ngangi, J., Maramis, Alfonds, A., & Mantriri, J. (2018). Budidaya Ayam Kampung Unggul Berbasis Pakan Lokal. *Seminar Nasional PKM UNPAS*.
- Melesse, A. (2014). Significance of scavenging chicken production in the rural community of Africa for enhanced food security. *World's Poultry Science Journal*, 70(3), 593–606. <https://doi.org/10.1017/S0043933914000646>
- Michael Dom, Janet Pandi, Fred Besari, Maima Sine, Sidora Ramita, Eleo Dowa, Mark Booth, Pika Kohun, Workneh Ayalew, and Phil Glatz, Ayalew, W., & Booth, M. (2017). *Feasibility of farming poultry, pigs and fish using local feeds in Papua New Guinea*. <https://www.researchgate.net/publication/321025379>
- Milkias, M. (2016). Review on Exotic Chicken Status, Production Performance and Constraints in Ethiopia. *Journal on Exotic Chicken Status, Production Performance and Constraints in Ethiopia*, 6(15), 103–112.
- Moch Syamsul Arifin Zein, & Sri Sulandari. (2009). Investigasi Asal Usul Ayam Indonesia Menggunakan Sekuens Hypervariable-1 D-loop DNA Mitokondria. *Jurnal Veteriner*, 10(1), 41–49.

- Moges, F., Mellese, A., & Dessie, T. (2010). Assessment of village chicken production system and evaluation of the productive and reproductive performance of local chicken ecotype in bure district, North West Ethiopia. *African Journal of Agricultural Research*, 5(13).
- Mourad, K. A., Hosseini, S. H., & Avery, H. (2020). The role of citizen science in sustainable agriculture. *Sustainability (Switzerland)*, 12(24). <https://doi.org/10.3390/su122410375>
- Mramba, R. P., & Mwantambo, P. A. (2024). The impact of management practices on the disease and mortality rates of broilers and layers kept by small-scale farmers in Dodoma urban district, Tanzania. *Heliyon*, 10(8). <https://doi.org/10.1016/j.heliyon.2024.e29624>
- Muchadeyi, F. C., Wollny, C. B. A., Eding, H., Weigend, S., Makuza, S. M., & Simianer, H. (2007a). Variation in village chicken production systems among agro-ecological zones of Zimbabwe. *Tropical Animal Health and Production*, 39(6). <https://doi.org/10.1007/s11250-007-9050-0>
- Muchadeyi, F. C., Wollny, C. B. A., Eding, H., Weigend, S., Makuza, S. M., & Simianer, H. (2007b). Variation in village chicken production systems among agro-ecological zones of Zimbabwe. *Tropical Animal Health and Production*, 39(6), 453–461. <https://doi.org/10.1007/s11250-007-9050-0>
- Mujyambere, V., Adomako, K., Olympio, S. O., Ntawubizi, M., Nyinawamwiza, L., Mahoro, J., & Conroy, A. (2022). Local chickens in East African region: their production and potential. *Poultry Science*, 101(1). <https://doi.org/10.1016/j.psj.2021.101547>
- Muttaqin, Z., Sari, D. S., & Purbasari, R. (2018). Pemanfaatan Lahan Kosong: Mengupayakan Ketahanan Pangan Global Dalam Keseharian Masyarakat Lokal Di Rw 12, Desa Sayang, Jatinangor, Sumedang. *Prosiding Penelitian Dan Pengabdian Kepada Masyarakat*, 5(3), 237–250. <https://doi.org/10.24198/jppm.v5i3.20062>
- Muzayyanah, M. A. U., Syahlani, S. P., Dewi, N. H. U., & Wahyuni, E. (2021). Consumer purchasing behavior: An empirical study of livestock products food. *IOP Conference Series: Earth and Environmental Science*, 686(1). <https://doi.org/10.1088/1755-1315/686/1/012011>
- Muzerengi, T., Khalema, E. N., & Zivenge, E. (2021). The synergistic relationship between Amartya Sen entitlement theory and the systems theory in developing a food security implementation model in Matabeleland South Province, Zimbabwe. *Jamba: Journal of Disaster Risk Studies*, 13(1), 1–7. <https://doi.org/10.4102/JAMBA.V13I1.965>
- Najoan, M., Elly, F. H., & Bagau, J. R. L. B. (2018). Prospek Pengembangan Unggas Lokal Provinsi Sulawesi Utara. *Prosiding Seminar Nasional*, 23–35.
- Najoan, M., Elly, F. H., Leke, J. R., & Bagau, B. (2018). Prospek Pengembangan Unggas Lokal Provinsi Sulawesi Utara. *Prosiding Seminar Nasional Pengembangan Unggas Lokal Di Indonesia*, 23–35.
- Nataamijaya, A. G. (2010). Pengembangan Potensi ayam Lokal untuk Menunjang Peningkatan Kesejahteraan Petani. *Jurnal Litbang Pertanian*, 29(4), 131–138.
- Nataamijaya, A. Gozali. (2017). Pengembangan Potensi Ayam Lokal Untuk Menunjang Peningkatan Kesejahteraan Petani. *Jurnal Penelitian Dan Pengembangan Pertanian*, 29(4), 131–138. <https://doi.org/10.21082/jp3.v29n4.2010.p131-138>

- Natukunda, K., Kugonza, D. R., & Kyarisiima, C. C. (2011). Indigenous chickens of the Kamuli plains in Uganda: I. production system and flock dynamics. *Livestock Research for Rural Development*, 23(10).
- Ndlovu, W., Mwale, M., Iwara, I. O., Kabiti, H. M., Obadire, O. S., & Francis, J. (2021). Profiling village chickens predators, parasites and medicinal plants used to control the parasites. *Revista Brasileira de Ciencia Avicola / Brazilian Journal of Poultry Science*, 23(2). <https://doi.org/10.1590/1806-9061-2019-1023>
- Neuman, W. Lawrence. (2014). *Social research methods: qualitative and quantitative approaches*. Pearson.
- Ni Luh Gde Sumardani. (2016). Konsep dan Pengembangan STS Berbasis Ransum Pada Usaha Pertanian dan Peternakan di Provinsi Bali. In Ms. Prof. Dr. Ir. Femi H. Elly, MP . Dr. Ir. Jolanda. K.J. Kalangi, MS. Dr. Ir. Jein Rini Leke, MSi. Mursye Regar SPt (Ed.), *SEMINAR NASIONAL V HITPI* (Vol. 1, Issue 5, pp. 9–20). UNSRAT PRESS. <https://doi.org/10.24843/pastura.2017.v06.i02.p05>
- Njau, W., Bett, R., Amimo, J., Cheruiyot, E., & Ngeno, K. (2022). Genetic diversity and selection signatures within the major histocompatibility complex of local chicken ecotypes in Kenya. *East African Journal of Science, Technology and Innovation*, 3(3). <https://doi.org/10.37425/eajsti.v3i3.450>
- Nugent, N. B., Ridberg, R. A., Fricke, H., Shanks, C. B., Stotz, S. A., Chung, A. G. J., Shin, S., Yaroch, A. L., Akers, M., Lowe, R., George, C., Thomas, K., & Seligman, H. K. (2022). Food sovereignty, health, and produce prescription programs: A case study in two rural tribal communities. *Journal of Agriculture, Food Systems, and Community Development*, 11(3). <https://doi.org/10.5304/jafscd.2022.113.014>
- Nurwati, N., Surtinah, & Amalia. (2015). Analisis Pemanfaatan Pekarangan Untuk Mendukung Ketahanan Pangan di Kecamatan Rumbai Pesisir Kota Pekanbaru. *Jurnal Ilmiah Pertanian*, 11(2), 1–8.
- Nyaga, P. P. (2007). Strategies for the Prevention and Control of Infectious Diseases (including Highly Pathogenic Avian Influenza) in Eastern Africa. *Food and Agriculture Organization of The United Nations*, 1–34. <http://erepository.uonbi.ac.ke:8080/xmlui/handle/123456789/19935>
- O'Boyle, E. J. (1987). Economic self-sufficiency: Defined and measured in relation to economic poverty. *Forum for Social Economics*, 17(1), 27–42. <https://doi.org/10.1007/BF02958664>
- Okojie, J. A. (1999). The Role of Government and Universities of Agriculture in Improving Animal Production and Consumption in Nigeria. *Trop.J.Anim.Sci.*, 2(2), 1–7.
- Ouédraogo, R. W., Tindano, K., Traoré, F. G., Tapsoba, S. A. R., Sanou, M., Tamboura, H. H., Bayala, B., & Traoré, A. (2023). Local Chickens Farming System Characteristics and Their Genetic Resources Management in Seno Province of Burkina Faso. *Tropical Animal Science Journal*, 46(4). <https://doi.org/10.5398/TASJ.2023.46.4.509>
- Özdemir, D. (2020). The structural characteristics, management, and challenges of backyard poultry farming in residential areas of Turkey. *Animals*, 10(12). <https://doi.org/10.3390/ani10122336>
- Padhi, M. K. (2016a). Importance of Indigenous Breeds of Chicken for Rural Economy and Their Improvements for Higher Production Performance. In *Scientifica* (Vol. 2016, pp. 1–10). <https://doi.org/10.1155/2016/2604685>

- Padhi, M. K. (2016b). Importance of Indigenous Breeds of Chicken for Rural Economy and Their Improvements for Higher Production Performance. In *Scientifica* (Vol. 2016, pp. 1–10). <https://doi.org/10.1155/2016/2604685>
- Pamantung, R. P. (2019). Tradisi Minahasa Terkait Dengan Makanan Tradisional. *Kajian Linguistik*, 7(1). <https://doi.org/10.35796/kaling.7.1.2019.24774>
- Dinas Pangan Kabupaten Minahasa. (2023). *Peta Ketahanan dan Kerentanan Pangan (FSVA) Kabupaten Minahasa Tahun 2023*.
- Passarelli, S., Abdelmenan, S., Tewahido, D., Demmu, Y. M., Abreham, H., Ambikapathi, R., Gunaratna, N. S., Berhane, Y., & Fawzi, W. (2022). Nutrition-sensitive chicken production in Ethiopia: a qualitative evaluation. *Agriculture and Food Security*, 11(1). <https://doi.org/10.1186/s40066-022-00363-8>
- Passarelli, S., Ambikapathi, R., Gunaratna, N. S., Madzorera, I., Canavan, C. R., Noor, R. A., Tewahido, D., Berhane, Y., Sibanda, S., Sibanda, L. M., Madzivhandila, T., Munthali, B. L. M., McConnell, M., Sudfeld, C., Davison, K., & Fawzi, W. (2021). The role of chicken management practices in children's exposure to environmental contamination: a mixed-methods analysis. *BMC Public Health*, 21(1). <https://doi.org/10.1186/s12889-021-11025-y>
- Paul, M., Wongnarkpet, S., Gasqui, P., Poolkhet, C., Thongratsakul, S., Ducrot, C., & Roger, F. (2011). Risk factors for highly pathogenic avian influenza (HPAI) H5N1 infection in backyard chicken farms, Thailand. *Acta Tropica*, 118(3). <https://doi.org/10.1016/j.actatropica.2011.03.009>
- Pemerintah Kabupaten Minahasa. (2021). Perubahan Rencana Pembangunan Jangka Menengah Daerah (RPJMD) Kabupaten Minahasa Tahun 2018-2023. In *Lampiran Perda No. 4 Tahun 2021*.
- Perelli, C., Cacchiarelli, L., Peveri, V., & Branca, G. (2024). Gender equality and sustainable development: A cross-country study on women's contribution to the adoption of the climate-smart agriculture in Sub-Saharan Africa. *Ecological Economics*, 219. <https://doi.org/10.1016/j.ecolecon.2024.108145>
- Pergub Sulawesi Utara No 7, Pub. L. No. 7, 1 (2023). <https://peraturan.bpk.go.id>
- Pica-Ciamarra, U., & Otte, J. (2010). Poultry, Food Security and Poverty in India: Looking Beyond the Farm-Gate. In *World's Poultry Science Journal* (Vol. 66, Issue 2, pp. 309–319). <https://doi.org/10.1017/S0043933910000358>
- Pitoyo, D., & Firmanto. (2020). Cockfighting as an Alternative Economic Solution for the People of Tuyun Village, Mihing Raya District, Gunung Mas Regency. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, 3(4), 3625–3633. <https://doi.org/10.33258/birci.v3i4.1408>
- Pollock, S. L., Stephen, C., Skuridina, N., & Kosatsky, T. (2012a). Raising chickens in city backyards: The public health role. In *Journal of Community Health* (Vol. 37, Issue 3). <https://doi.org/10.1007/s10900-011-9504-1>
- Pollock, S. L., Stephen, C., Skuridina, N., & Kosatsky, T. (2012b). Raising chickens in city backyards: The public health role. *Journal of Community Health*, 37(3), 734–742. <https://doi.org/10.1007/s10900-011-9504-1>
- Pradhan, P., Lüdeke, M. K. B., Reusser, D. E., & Kropp, J. P. (2014). Food self-sufficiency across scales: How local can we go? *Environmental Science and Technology*, 48(16). <https://doi.org/10.1021/es5005939>
- Presiden Republik Indonesia. (2012). *Undang-Undang Republik Indonesia Nomor 18 Tahun 2012 tentang Pangan*. <https://luk.staff.ugm.ac.id/atur/UU18-2012Pangan.pdf>

- Priyadarshini, V. (2016). Backyard poultry farming: A means of sustainable livelihood for the rural tribal people of Keonjhar district, Odisha. *International Journal of Home Science Extension & Communication Management*, 3(1), 21–25. <https://doi.org/10.15740/has/ijhsecm/3.1/21-25>
- Psifidi, A., Banos, G., Matika, O., Desta, T. T., Bettridge, J., Hume, D. A., Dessie, T., Christley, R., Wigley, P., Hanotte, O., & Kaiser, P. (2016). Genome-wide association studies of immune, disease and production traits in indigenous chicken ecotypes. *Genetics Selection Evolution*, 48(1). <https://doi.org/10.1186/s12711-016-0252-7>
- Purnamasari, D. K., Syamsuhaidi, S., Erwan, E., Sumiati, S., Pardi, P., Abdullah, U., & Sulastri, S. (2021). Penyuluhan Pemanfaatan Pakan Ternak Alternatif di Desa Pengkelak Mas Kabupaten Lombok Timur. *Abdi Insani*, 8(1). <https://doi.org/10.29303/abdiinsani.v8i1.372>
- Rachmawati, I. N. (2007a). Pengumpulan Data Dalam Penelitian Kualitatif: Wawancara. *Jurnal Keperawatan Indonesia*, 11(1), 35–40.
- Rachmawati, I. N. (2007b). Pengumpulan Data Dalam Penelitian Kualitatif: Wawancara. *Jurnal Keperawatan Indonesia*, 11(1). <https://doi.org/10.7454/jki.v11i1.184>
- Rahimi, S., & Khatooni, M. (2024). Saturation in qualitative research: An evolutionary concept analysis. *International Journal of Nursing Studies Advances*, 6. <https://doi.org/10.1016/j.ijnsa.2024.100174>
- Ramadan, G. S., Rashed, O. S., El-Komy, E. M., Rizk, A. M., El-Din, A. K. A., & El-Weshahy, O. A. (2024). Heritability, Genetic and Phenotypic Correlations in Three Indigenous Egyptian Chicken Lines. *Egyptian Journal of Veterinary Science(Egypt)*, 55(7), 2065–2078. <https://doi.org/10.21608/EJVS.2024.264477.1796>
- Raodah, H. (2019). Pengetahuan Lokal Tentang Pemanfaatan Tanaman Obat Pada Masyarakat Tolaki Di Kabupaten Konawe Sulawesi Tenggara. *Pangadereng : Jurnal Hasil Penelitian Ilmu Sosial Dan Humaniora*, 5(1), 46–63.
- Reni, S., Sumardjo, Syahyuti, & Tjitropranoto, P. (2020). Keberlanjutan Usaha Peternakan Ayam Ras Pedaging pada Pola Kemitraan. *Jurnal Pangan*, 28(3), 1–15. <https://doi.org/10.33964/jp.v28i3.446>
- Rintjap, A. K., Lainawa, J., & Lumy, T. F. D. (2018). Efektivitas Penyuluhan BP3K Terhadap Perkembangan Usaha Pemeliharaan Ayam Kampung di Kecamatan Pineleng Kabupaten Minahasa. *Seminar Nasional Unggas Lokal: Pengembangan Unggas Lokal Di Indonesia*, 72–74.
- Rosairo, H. S. R. (2023). Thematic analysis in qualitative research. *Journal of Agricultural Sciences - Sri Lanka*, 18(3). <https://doi.org/10.4038/JAS.V18I3.10526>
- Rotinsulu, W. Ch., Runtunuwu, S. D., Walangitan, H., Paat, F. J., & Zaini, B. (2022). Spatial Mapping Of Coconut Plantation In Minahasa Regency, North Sulawesi Province Using Remote Sensing Data. *Jurnal Agroekoteknologi Terapan*, 3(2), 388–395. <https://doi.org/10.35791/jat.v3i2.44520>
- Rotinsulu, W., Walangitan, H., & Ahmad, A. (2018). Analisis Perubahan Tutupan Lahan Das Tondano, Sulawesi Utara Selama Periode Tahun 2002 dan 2015. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan (Journal of Natural Resources and Environmental Management)*, 8(2), 161–169. <https://doi.org/10.29244/jpsl.8.2.161-169>

- Rulam, A. (2005). Memahami Metodologi Penelitian Kualitatif. *Malang Universitas Negeri Malang*.
- Runtunuwu, S., & Paat, F. J. (2022). Pemetaan Spasial Perkebunan Kelapa di Kabupaten Minahasa, Provinsi Sulawesi Utara Menggunakan Data Remote Sensing. *Jurnal Agroekoteknologi Terapan*, 3(2), 388–395. <https://doi.org/10.35791/jat.v3i2.44520>
- Rusdiana, S., & Maesya, A. (2017). Economic Growth and Food Need in Indonesia. *Journal of SocioEconomic and Agricultural*, 6(1), 12–25.
- Rusdiana, S., & Soeharsono, S. (2020). Model Industri Ekonomi dan Kelembagaan Pada Usaha Ayam Lokal Terintegrasi di Peternak. *Jurnal Ekonomi Pertanian Dan Agribisnis (JEPA)*, 4(3), 537–553.
- S. Sadeq, M.S. Khan, & M. S. Rehman. (2015). Indigenous Chicken Production in Punjab: A Detailed Survey Through Participatory Rural Appraisals. *The Journal of Animal & Plant Sciences*, 25(5), 1273–1282. <https://www.researchgate.net/publication/313435499>
- Safruddin, S., Judijanto, L., & Harsono, I. (2024). Bibliometric Analysis of the Effect of Sustainable Agricultural Practices on Farmers' Economic Sustainability. *West Science Interdisciplinary Studies*, 2(01). <https://doi.org/10.58812/wsis.v2i01.609>
- Saldaña, J. (2013). *The Coding Manual for Qualitative Researchers*. [www.sagepublications.com](http://www.sagepublications.com)
- Sandiah, N., Selamat Aku, A., Ode, L., Sani, A., Nafiu, L. O., & Munadi, M. (2021). Determination of Base and Non Base Sector of Livestock Commodity Development in Southeast Sulawesi Province, Indonesia. *Technium Social Sciences*, 23, 519–527. [www.techniumscience.com](http://www.techniumscience.com)
- Sanga, C. (2018). Poultry Farmers' Information needs and Extension advices in Kilosa, Tanzania: Evidence from Mobile-based Extension, Advisory and Learning System (MEALS). *Library Philosophy and Practice (e-Journal)*, 1–18. <https://digitalcommons.unl.edu/libphilprac>
- Saptana, & Sartika, T. (2014). Manajemen Rantai Pasok Telur Ayam Kampung. *Jurnal Manajemen & Agribisnis*, 11(1), 1–11.
- Saptawati Bardosono, Soemilah Sastroamidjojo, Johanna SP Rumawas, Coreta Kapoyos, Ray Wagiu Basrowi, Jaffry Waworuntu, Veldy Umbas, Alvin Sarayar, & Meggy Th Rares. (2018). *Aspek Budaya Nutrisi dan Kesehatan Masakan Manado* (Vol. 1). Perhimpunan Nutrisi Indonesia.
- Sargison, N. D. (2020). The critical importance of planned small ruminant livestock health and production in addressing global challenges surrounding food production and poverty alleviation. *New Zealand Veterinary Journal*, 68, 136–144. <https://api.semanticscholar.org/CorpusID:210871915>
- Saunders, B., Sim, J., Kingstone, T., Baker, S., Waterfield, J., Bartlam, B., Burroughs, H., & Jinks, C. (2018). Saturation in qualitative research: exploring its conceptualization and operationalization. *Quality and Quantity*, 52(4). <https://doi.org/10.1007/s11135-017-0574-8>
- Schmidt, C. J., Kim, D. K., Pendarvis, G. K., Abasht, B., & McCarthy, F. M. (2023). Proteomic insight into human directed selection of the domesticated chicken *Gallus gallus*. *PLoS ONE*, 18(8 August). <https://doi.org/10.1371/journal.pone.0289648>
- Selam M, & Kelay B. (2013). Causes of village chicken mortality and interventions by farmers in Adaa District, Ethiopia. *International Journal of Livestock Production*, 4(6). <https://doi.org/10.5897/ijlp12.021>

- Shimelis, A., & Bogale, A. (2009). Household Level Determinants of Food Insecurity in Rural Areas of Dire Dawa, Eastern Ethiopia. *African Journal of Food, Agriculture, Nutrition and Development*, 9(9), 1914–1926.
- Silondae, H., Lintang, M., & Amiruddin, A. (2021). Use of yard land as a source of nutrition and family economy during covid-19 pandemic. *IOP Conference Series: Earth and Environmental Science*, 807(2). <https://doi.org/10.1088/1755-1315/807/2/022001>
- Silondae, H., Muzayyanah, M. A. U., Sulastri, E., & Guntono, B. (2022a). The Role of Household-Scale Local Chicken Farms in Providing Family Food in Minahasa Regency. *IOP Conference Series: Earth and Environmental Science*, 1105(1). <https://doi.org/10.1088/1755-1315/1105/1/012009>
- Silondae, H., Muzayyanah, M. A. U., Sulastri, E., & Guntono, B. (2022b). The Role of Women in Raising Local Chicken on a Household Scale in Minahasa Regency, North Sulawesi: Review. *E3S Web of Conferences*, 361. <https://doi.org/10.1051/e3sconf/202236102022>
- Smith, J., Sones, K., Grace, D., MacMillan, S., Tarawali, S., & Herrero, M. (2013). Beyond milk, meat, and eggs: Role of livestock in food and nutrition security. *Animal Frontiers*, 3(1), 6–13. <https://doi.org/10.2527/af.2013-0002>
- Sonaiya, E. B., & Swan, S. E. J. (2004). *Small-Scale Poultry Production Small-Scale Poultry Production Technical Guide*.
- Sonkar, N., Singh, N., Santra, A. K., & Verma, L. P. (2020a). Backyard poultry farming : A source of livelihood and food security in rural India. *The Pharma Innovation Journal*, 9(4), 28–32.
- Sonkar, N., Singh, N., Santra, A. K., & Verma, L. P. (2020b). Backyard poultry farming : A source of livelihood and food security in rural India. *The Pharma Innovation Journal*, 9(4), 28–32.
- Stefanetti, V., Mancinelli, A. C., Pascucci, L., Menchetti, L., Castellini, C., Mugnai, C., Fiorilla, E., Miniscalco, B., Chiattelli, D., Franciosini, M. P., & Proietti, P. C. (2023). Effect of rearing systems on immune status, stress parameters, intestinal morphology, and mortality in conventional and local chicken breeds. *Poultry Science*, 102(12). <https://doi.org/10.1016/j.psj.2023.103110>
- Subekti, E. (2008). Peranan Bidang Peternakan Dalam Upaya Meningkatkan Kesejahteraan Rakyat. *Mediagro*, 4(2), 32–38.
- Sudrajat, E. (2017). *Analisis Location Quotient (LQ) Tentang Potensi Pengembangan Sapi Rakyat di Kabupaten Gowa*. Universitas Islam Negeri Alauddin Makassar.
- Sugiyono. (2017). Metode penelitian bisnis: pendekatan kuantitatif, kualitatif, kombinasi, dan R&D. In *Penerbit CV. Alfabeta: Bandung* (Vol. 225, Issue 87). Penerbit CV. Alfabeta.
- Sule, A., Abdu, P., & Balami, A. (2023). A participatory assessment of gender activities in raising the most dominant village poultry species in Bauchi State, Nigeria. *Sokoto Journal of Veterinary Sciences*, 21(2). <https://doi.org/10.4314/sokjvs.v21i2.7>
- Suprijatna, E. (2010a). Strategi Pengembangan Ayam Lokal Berbasis Sumber Daya Lokal dan Berwawasan Lingkungan. *Seminar Nasional Unggas Lokal Ke IV Fakultas Peternakan Universitas Diponegoro*, 55–88.
- Suprijatna, E. (2010b). *Strategi Pengembangan Peternakan Ayam Lokal*.
- Surya, & Desismansyah Eka Putra. (2024). Legal Strategies For Combating Cockfighting Gambling Through Public Legal Awareness. *Masalah-Masalah Hukum*, 53(2), 203–214.

- Sutriyono, S., Brata, B., & Suherman, D. (2023). Development of Local Poultry, Burgo Chicken to Improve Food Security in Bengkulu. *Jurnal Ekonomi Pertanian Dan Agribisnis*, 7(2). <https://doi.org/10.21776/ub.jepa.2023.007.02.39>
- Svotwa, E. (2007). Integrating Traditional Knowledge Systems with Agriculture and Disaster Management: A Case for Chitora Communal Lands. *Journal of Sustainable Development in Africa*, 9(3). <https://www.researchgate.net/publication/268742999>
- Syadsali, M. J. (2021). *Strategi Pengembangan Agribisnis Ternak sapi Potong di Kabupaten Mamuju: Tesis* (pp. 1–61). Program Pascasarjana Universitas Hasanuddin.
- Tan, C. H., Teoh, A. P., & Yeoh, F. Y. (2023). Adoption Level of Smart Farming Technologies (SFTs) by Poultry Farmers in Malaysia. *2023 IEEE International Conference on Agrosystem Engineering, Technology and Applications, AGRETA 2023*. <https://doi.org/10.1109/AGRETA57740.2023.10262753>
- Tarwireyi, L., & Fanadzo, M. (2013). Production of indigenous chickens for household food security in rural KwaZulu-Natal, South Africa: A situation analysis. *African Journal of Agricultural Research*, 8(46).
- Tendean, M. F., Katiandagho, T. M., & Kapantow, G. H. M. (2023). Evaluasi Pengelolaan Kawasan Agropolitan Pakakaan Kabupaten Minahasa Selama Masa Pandemi Covid-19. *AGRI-SOSIOEKONOMI*, 19(1). <https://doi.org/10.35791/agrsosek.v19i1.46466>
- Tiesnamurti, B. (2020). Prospek Peternakan di Era Normal Baru Pasca Pandemi Covid-19 Pemanfaatan Berkelanjutan Sumberdaya Genetik Ternak Sebagai Penyedia Pangan Hewani. *Prosiding Seminar Teknologi Dan Agribisnis Peternakan VII–Webinar: Prospek Peternakan Di Era Normal Baru Pasca Pandemi Covid-19*, 1–40.
- Tim Harian Kompas. (2021, August 31). *Tradisi Memasak dengan Menggunakan Batang Bambu*. <https://Interaktif.Kompas.Id/Baca/Tradisi-Memasak-Dengan-Menggunakan-Batang-Bambu/>.
- Ton, V. D. (2022). Transforming Indigenous Chicken into Commercial Business, is it Possible? *KnE Life Sciences*. <https://doi.org/10.18502/kls.v0i0.11844>
- Tonda, R., Zalizar, L., Widodo, W., Setyobudi, R. H., Hermawan, D., Damat, D., Vincēviča-Gaile, Z., Iqar, I., Pakarti, T. A., Anwar, S., & Wira, W. (2023). Palatability Level of Dried Rice as an Alternative Feed Ingredient to Substitute Corn and Rice Bran. *Sarhad Journal of Agriculture*, 39(Specialissue 1). <https://doi.org/10.17582/journal.sja/2023/39/s1.1.10>
- Triatmojo, A., Muzayyanah, M. A. U., & Guntono, B. (2023). Spatial prices of livestock meat products in Indonesia: Transmission and disparity analysis. *AIP Conference Proceedings*, 2628(1).
- Tsadik, E. T., Tamir, B., & Sahile, Z. (2015). Husbandry practices of village poultry technology package and the nutritional quality of majorly used poultry feeds in the Central Oromia region, Ethiopia. *Livestock Research for Rural Development*, 27(4).
- Tufarelli, V., Ragni, M., & Laudadio, V. (2018). Feeding forage in poultry: A promising alternative for the future of production systems. *Agriculture (Switzerland)*, 8(6). <https://doi.org/10.3390/agriculture8060081>
- Tung, D. X., & Costales, A. (2007). Market Participation of Smallholder Poultry Producers in Northern Viet Nam. *FAO: Pro-Poor Livestock Policy Initiative: A Living from Livestock*, 07, 1–14.

- Usman, Kasim, A., & Tirajo, S. (2017). Pemanfaatan Lahan Sub Optimal Dalam Usahatani Kedelai dan Jagung Sebagai Sumber Pakan Ayam Lokal Mendukung Pengembangan Integrasi Tanaman-Ternak. *Prosiding Seminar Nasional*, 723–732.
- Utama, B. P. (2021). Analisis Potensi Wilayah Pengembangan Ternak Sapi Potong di Kecamatan Pelepat Ilir Kabupaten Bungo. *Jurnal Peternakan*, 05(02), 113–121.
- Vaarst, M., Steinfeldt, S., & Horsted, K. (2015). Sustainable development perspectives of poultry production. *World's Poultry Science Journal*, 71(4), 609–620. <https://doi.org/10.1017/S0043933915002433>
- Vlaicu, P. A., Untea, A. E., & Oancea, A. G. (2024). Sustainable poultry feeding strategies for achieving zero hunger and enhancing food quality. *Agriculture*, 14(10), 1811.
- Wantasen, E., & Papatungan, U. (2017). Household Income Investigation in Smallholder Cattle Farming At Minahasa Regency North Sulawesi Province-Indonesia. *IOSR Journal of Agriculture and Veterinary Science*, 10(07). <https://doi.org/10.9790/2380-1007020612>
- Wati, R. (2007). Potensi Peternakan Ayam Buras Sebagai Usaha Ekonomi Masyarakat Pedesaan di Provinsi Sumatera Barat. *Jurnal Peternakan Indonesia*, 12(2), 124–135.
- Weol, E. F., Rorimpandey, B., Lenzun, G. D., & Endoh, E. K. M. (2014). Analisis Pengaruh Pendapatan Rumah tangga Terhadap Konsumsi Daging dan Telur di Kecamatan Suluun Tareran Kabupaten Minahasa Selatan. *Jurnal Zootek*, 34(1), 37–47.
- Widyastutik, Syafitri, W., & Nugroho, E. (2018). Analisis Kesejahteraan Peternak Wilayah Perhutani Dengan Menggunakan Sustainable Livelihood Approach Di Kabupaten Bojonegoro. *Jurnal Ilmiah Mahasiswa FEB*, 6(2), 1–12.
- Wong, J. T., de Bruyn, J., Bagnol, B., Grieve, H., Li, M., Pym, R., & Alders, R. G. (2017). Small-scale poultry and food security in resource-poor settings: A review. In *Global Food Security* (Vol. 15). <https://doi.org/10.1016/j.gfs.2017.04.003>
- Yacoub, M. M., & Diab, A. M. (2021). Farmers' Behavioral Gaps Concerning Sustainable Agriculture in Kharga Oasis, New Valley Governorate, Egypt. *Alexandria Science Exchange Journal*, 42(2). <https://doi.org/10.21608/asejaiqjsae.2021.171647>
- Yaemkong, S., Ngoc, P., & ... (2017). Diversity of traditional knowledge and local wisdom of indigenous chickens farmers in Bang Krathum, Nakhon Thai, Mueang and Chat Trakan Districts .... *Journal of Applied ...*, 10(1).
- Yelly A Walansendow, & Turambi, J. (2021). *Buku Resep Kuliner Minahasa* (Vol. 1). <https://www.researchgate.net/publication/349427763>
- Yin, R. K. (2014). *Case Study Research: Design and Methods* (5th ed., Vol. 5). SAGE Publications Ltd.
- Yuhertiana, I. (2008). Paradigma Positivis: Sebuah Tinjauan Epistemologi Penelitian Ekonomi. *E-Journal UPN Jatim*, 1–17.
- Yustika Devi, L., Andari, Y., Wihastuti, L., & Haribowo, K. (2020). Model Sosial-Ekonomi Dan Ketahanan Pangan Rumah Tangga Di Indonesia. *Jurnal Ekonomi Dan Pembangunan*, 28(2), 103–115. <https://doi.org/10.14203/jep.28.2.2020.103-115>
- Zidane, A., Ababou, A., Taherti, M., Metlef, S., & Gadouche, L. (2023). Effect of free range rearing on growth and meat quality of three different local chicken's

- phenotypes. *Acta Scientiarum - Animal Sciences*, 45. <https://doi.org/10.4025/actascianimsci.v45i1.58786>
- Zouaoui, K., Dahloun, L., Halbouche, M., Soltani, F., Homrani, A., & Yakubu, A. (2023). Rural Chicken Flocks In The Northwest of Algeria: Their Husbandry, Performance Indices, and Marketing. *Journal of Animal and Plant Sciences*, 33(1). <https://doi.org/10.36899/JAPS.2023.1.0589>
- Zuhriyah, F., Naim, S., Rahmanudin, D., Widjayanto, F., & Mokodenseho, S. (2022). The Role of Village Government Policies in Improving the Economy in Sumbermulyo Village. *Jurnal Kewarganegaraan*, 6(2).
- Zulu, S. G., Muchadeyi, F. C., & Dzomba, E. F. (2015). Comparison of effective population size, rate and level of inbreeding and its potential impact on village chicken populations of Southern Africa. *International Journal of Poultry Science*, 14(1). <https://doi.org/10.3923/ijps.2015.23.30>