

## DAFTAR PUSTAKA

- Abror, M., Djunaedy, E., Amaliyah, & Rosdiana, E. (2020). *PERUMUSAN KANDANG SAPI PERAH BERKINERJA TINGGI FORMULATION OF HIGH PERFORMANCE DAIRY COW*.
- Adriani. (2021). *Ilmu Produksi Ternak Perah*. Jambi: Publikasi Fakultas Peternakan Universitas Jambi.
- Aivazidou, E., Cunico, G., Mollona, E., & Mater, A. (2018). *PERCEIVE Deliverable 6.1: "Report on causal qualitative model" Perception and Evaluation of Regional and Cohesion Policies by Europeans and Identification with the Values of Europe PERCEIVE Deliverable 6.1 "Report on causal qualitative model" AUTHORS OF THE REPORT AND EDITORS OF THE DELIVERABLE*. <https://doi.org/10.6092/unibo/amsacta/6112>.
- Al Zahra, W., van Middelaar, C. E., Oosting, S. J., & de Boer, I. J. M. (2024). Nutrient imbalances of smallholder dairy farming systems in Indonesia: The relevance of manure management. *Agricultural Systems*, 218. <https://doi.org/10.1016/j.agsy.2024.103961>.
- Al-Aziz, F. N., & Suryani, E. (2024). System Dynamics Modeling to Increase the Productivity of Chili Pepper through Good Agricultural Practices in East Java. *Procedia Computer Science*, 234, 733–740. <https://doi.org/10.1016/j.procs.2024.03.094>.
- Almamik, L. (2021). *Pengenalan Pemodelan Sistem Dinamik Menggunakan Vensim PLE*. Deepublish.
- Ammara, U., Bukhari, H., & Qadir, J. (n.d.). *Analyzing Misinformation Through The Lens of Systems Thinking*. <https://www.researchgate.net/publication/349692989>
- Armengol, R., Fraile, L., & Bach, A. (2023). Key performance indicators used by dairy consultants during the evaluation of reproductive performance during routine visits. *Frontiers in Veterinary Science*, 10. <https://doi.org/10.3389/fvets.2023.1165184>.
- Asmarasari, S. A., Azizah, N., Sutikno, S., Puastuti, W., Amir, A., Praharani, L., Rusdiana, S., Hidayat, C., Hafid, A., Kusumaningrum, D. A., Saputra, F., Talib, C., Herliatika, A., Shiddieqy, M. I., & Hayanti, S. Y. (2023). A review of dairy cattle heat stress mitigation in Indonesia. In *Veterinary World* (Vol. 16, Issue 5, pp. 1098–1108). *Veterinary World*. <https://doi.org/10.14202/vetworld.2023.1098-1108>.

- Asminaya, N. S., Auza, F. A., Abadi, M., Asni, N., Agustina, D., Afyudi, B., Tasse, A. M., Yaddi, Y., & Fitrianaingsih, F. (2024). PENGENALAN MANAJEMEN PEMELIHARAAN SAPI PERAH BERDASARKAN PEDOMAN GOOD DAIRY FARMING PRACTICE (GDFP) DI DESA WESALO, KABUPATEN KOLAKA TIMUR. *BAKIRA: Jurnal Pengabdian Kepada Masyarakat*, 5(1), 54–65. <https://doi.org/10.30598/bakira.2024.5.1.54-65>.
- Awah, L. S., Belle, J. A., Nyam, Y. S., & Orimoloye, I. R. (2024). A participatory systems dynamic modelling approach to understanding flood systems in a coastal community in Cameroon. *International Journal of Disaster Risk Reduction*, 101. <https://doi.org/10.1016/j.ijdr.2023.104236>.
- Badan Pusat Statistik. (2023). Ternak Besar Menurut Kecamatan dan Jenisnya di Kabupaten Tulungagung 2023. Diakses pada 27 November 2024 dari <https://tulungagungkab.bps.go.id>.
- Baez, J., Li, X., Libkind, S., Osgood, N. D., & Patterson, E. (2023). Compositional Modeling with Stock and Flow Diagrams. *Electronic Proceedings in Theoretical Computer Science, EPTCS*, 380, 77–96. <https://doi.org/10.4204/EPTCS.380.5>.
- Brawijaya, U., Bhramantya, R., Syauqy, D., & Setiawan, E. (2017). *Fakultas Ilmu Komputer Sistem Deteksi Durasi Waktu Penyimpanan Susu Sapi Segar Berdasarkan Tingkat Keasaman dan Perubahan Warna dengan Menggunakan Metode K-Nearest Neighbors (K-NN) Berbasis Arduino* (Vol. 1, Issue 1). <http://j-ptiik.ub.ac.id>.
- Christi, R. F., Salman, L. B., & Sudrajat, A. (2022). Pelatihan Manajemen Penerapan Konsep Biosecurity Di Peternakan Sapi Perah Kecamatan Sukalarang Kabupaten Sukabumi Jawa Barat. *Farmers: Journal of Community Services*, 3(2), 19. <https://doi.org/10.24198/fjcs.v3i2.40471>.
- Crielaard, L., Uleman, J. F., Châtel, B. D. L., Epskamp, S., Sloot, P. M. A., & Quax, R. (2022). Refining the *Causal loop diagram*: A Tutorial for Maximizing the Contribution of Domain Expertise in Computational System Dynamics Modeling. *Psychological Methods*, 29(1), 169–201. <https://doi.org/10.1037/met0000484>.
- Dinas Peternakan Provinsi Jawa Timur. (2025). *Rencana Kerja Dinas Peternakan Provinsi Jawa Timur Tahun 2025*. Pemerintah Provinsi Jawa Timur.
- Dizyee, K., Baker, D., & Omoro, A. (2019). Upgrading the smallholder dairy value chain: a system dynamics ex-ante impact assessment in Tanzania's Kilosa district. *Journal of Dairy Research*, 86(4), 440–449. <https://doi.org/10.1017/S0022029919000840>.
- Ferguson, J. (2020). *Reproductive Management in Dairy Herds*.

- Gorelik, O. V., Harlap, S. Y., Drobyshesky, M. V., Khramykh, O. V., & Larionova, S. E. (2021). Changes in the live weight of cows with age and its impact on their productive qualities. *E3S Web of Conferences*, 254. <https://doi.org/10.1051/e3sconf/202125408024>.
- Haile, B., & Headey, D. (2023). Growth in milk consumption and reductions in child stunting: Historical evidence from cross-country panel data. *Food Policy*, 118. <https://doi.org/10.1016/j.foodpol.2023.102485>.
- Hartanto, R., Pamungkas, A. A., Prayitno, E., & Harjanti, D. W. (2020). Milk Production of Holstein Friesian Dairy Cows in Various Lactation Periods (Case Study at Capita Farm, Semarang, Central Java). *Jurnal Ternak*, 11(2). <https://doi.org/10.30736/jy.v11i2.73>.
- Hay, M. J., Gunn, A. J., Abuelo, A., & Brookes, V. J. (2019). The Effect of Abnormal Reproductive Tract Discharge on the Calving to Conception Interval of Dairy Cows. *Frontiers in Veterinary Science*, 6. <https://doi.org/10.3389/fvets.2019.00374>.
- Jaakamo, M. J., Luukkonen, T. J., Kairenius, P. K., Bayat, A. R., Ahvenjärvi, S. A., Vilkki, J. H., & Leskinen, H. M. (2024). Effects of dietary forage-to-concentrate ratio and forage type on milk phospholipids and fatty acid composition of polar lipids. *Journal of Dairy Science*, 107(3), 1450–1459. <https://doi.org/10.3168/jds.2023-23842>.
- Kanthaswamy, H., Das, A., Venkatachalam, S., Radha, A. K., & Kumar, S. (2024). *Give to AgEcon Search Help ensure our sustainability. Evaluating the value chain of fodder-milk dynamics in Indian dairy industry: A system dynamics approach.*
- KUD Tani Wilis. (2022). Profil KUD Tani Wilis. Sendang: KUD Tani Wilis.
- Kurnianto, E., Muktiani, A., Albiruni, H., & Samsudewa, D. (2023). *Ilmu Sapi Perah.*
- Lundquist, H., Hess, J., Comeau, M., & Slavin, J. (2024). Cow milk is an important source of iodine for prenatal health, and switching to plant-based milk can lead to iodine insufficiencies. In *JDS Communications* (Vol. 5, Issue 3, pp. 181–184). Elsevier B.V. <https://doi.org/10.3168/jdsc.2023-0424>.
- Muwakhid, B., Maskur, A., Kalsum, U., & Ali, U. (2024). *LITERATURE REVIEW: EVALUASI EFEKTIVITAS SUPLEMEN PROBIOTIK DALAM MENINGKATKAN KUALITAS SUSU SAPI PERAH.*
- Ormston, S., Yan, T., Chen, X., Gordon, A. W., Theodoridou, K., Huws, S., & Stergiadis, S. (2025). Impact of dietary forage proportion and crossbreeding

- on feed efficiency and methane emissions in lactating dairy cows. *Animal Nutrition*, 20, 419–429. <https://doi.org/10.1016/j.aninu.2024.08.011>.
- Palczynski, L. J., Bleach, E. C. L., Brennan, M. L., & Robinson, P. A. (2020). Appropriate dairy calf feeding from birth to weaning: “it’s an investment for the future.” *Animals*, 10(1). <https://doi.org/10.3390/ani10010116>.
- Pitriyani, A., & Ilmaniati, A. (2024). *Prosiding Seminar Nasional Teknologi Industri Berkelanjutan IV (SENASTITAN IV) Surabaya*.
- Priyono, Priyanti, A., Ilham, N., Nurmalinga, R., & Burhanuddin. (2024). Enhancing dairy cow population through decreasing calf mortality and increasing calving rate in Indonesia: A system dynamics approach. *IOP Conference Series: Earth and Environmental Science*, 1377(1). <https://doi.org/10.1088/1755-1315/1377/1/012079>.
- Pusat Data dan Sistem Informasi Pertanian. (2022). *OUTLOOK SUSU Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal-Kementerian Pertanian 2022*.
- Rahmawati, N., & Donoriyanto, D. S. (2023). Simulasi Sistem Antrian Pelayanan Penumpang Busway. *WALUYO JATMIKO PROCEEDING*, 441–450. <https://doi.org/10.33005/wj.v16i1.66>.
- Rokhim, R. A., Yuniati, E., & Solikin, N. (2024). *Pengaruh Pemberian Jenis Hijauan Berbeda Terhadap Kualitas Dan Kuantitas Susu Sapi Perah*.
- Shahsavari-Pour, N., Rahimi-Ashjerdi, S., Heydari, A., & Fekih, A. (2023). A System Dynamics Approach to Optimize Milk Production in an Industrial Ranch. *Applied Sciences (Switzerland)*, 13(3). <https://doi.org/10.3390/app13031662>.
- Shamsuddoha, M., Nasir, T., & Hossain, N. U. I. (2023). A Sustainable Supply Chain Framework for Dairy Farming Operations: A System Dynamics Approach. *Sustainability (Switzerland)*, 15(10). <https://doi.org/10.3390/su15108417>.
- Suhendra, D., Tri Nugraha, W., R E Nugraheni, Y. L., Hartati Program Studi Peternakan, L., Pertanian, F., Tidar Jl Kapten Suparman No, U., & Magelang Utara, K. (2020). *KORELASI KADAR LEMAK DAN LAKTOSA DENGAN BERAT JENIS SUSU SAPI FRIESIAN HOLSTEIN DI KECAMATAN NGABLAK KABUPATEN MAGELANG* (Vol. 8, Issue 2).
- Suryani, E., Hendrawan, R. A., & Rahmawati, U. E. (2020). *Model dan Simulasi Sistem Dinamik*. Deepublish.

- Tadesse, A., U. Galmessa, and A. Bekuma. (2020). Milk Handling, Processing Practices and Quality Evaluation. *Global Journal of Animal Scientific Research*. 8(1). 56-74.
- Toghdory, A., Ghoorchi, T., Asadi, M., Bokharaeian, M., Najafi, M., & Ghassemi Nejad, J. (2022). Effects of Environmental Temperature and Humidity on Milk Composition, Microbial Load, and Somatic Cells in Milk of Holstein Dairy Cows in the Northeast Regions of Iran. *Animals*, 12(18). <https://doi.org/10.3390/ani12182484>.
- Utami, N. M. C. (2020). *Model Ketahanan Pangan Komoditas Jagung dengan Memperhatikan Kesejahteraan Petani Jagung dan Peternak Ayam di Jawa Timur*. Surabaya: Institut Teknologi Sepuluh Nopember.
- Widodo, H. S., Susanto, J., Subagyo, Y., Nurus, A., Dan, S., & Ifani, M. (2022). *KAJIAN METODE TITRASI FORMOL DALAM PENGUKURAN PROTEIN SUSU SEGAR MELALUI VALIDASI METODE ANALISIS (VMA) STUDY OF FORMOL TITRATION METHOD ON PROTEIN QUANTIFICATION OF FRESH MILK BY ANALITICAL METHOD VALIDATION*. 4(3). <https://doi.org/10.20884/1.angon.2022.4.3.p303-309>.
- Wiranti, N., Wanniatie, V., Husni, A., Qisthon, A., Sumantri, J., No, B., Meneng, G., & Lampung, B. (2022). KUALITAS SUSU SAPI SEGAR PADA PEMERAHAN PAGI DAN SORE Quality of Fresh Cow's Milk at Morning and Afternoon Milking. *Jurnal Riset Dan Inovasi Peternakan*, 6(2), 2598–3067. <https://doi.org/10.23960//jrip.2022.6.2.123-128>.
- Zhang, H., Gao, Q., Wang, A., Wang, Z., Liang, Y., Guo, M., Mao, Y., & Wang, Y. (2024). Estimation of Genetic Parameters for Milk Production Rate and Its Stability in Holstein Population. *Animals*, 14(19). <https://doi.org/10.3390/ani14192761>.