

## DAFTAR PUSTAKA

- Abd-Ellatieff, H. A., Hegazy, A. A., AbouRawash, A. R. A., Tohamy, H. G., Al-Shehri, M., Bazh, E. K., Hassan, H., & Essa, B. H. (2023). Pathological and genetic characterization of foot and mouth disease viruses collected from cattle and water buffalo in Egypt. *PLoS ONE*, 18(10 October), 1–19. <https://doi.org/10.1371/journal.pone.0291970>
- Adhyatma, M., Syaikhullah, G., & Khasanah, H. (2021). Pengaruh Waktu Istirahat Berbeda Sebelum Proses Pemotongan Terhadap Respon Suhu Permukaan Tubuh Sapi Brahman Cross. *Jurnal Sains Dan Teknologi Peternakan*, 2(1), 27–32. <https://doi.org/10.31605/jstp.v2i1.842>
- Allen, K., & Marino, L. (2017). The Psychology of Cows - Commentary Response. *Animal Behavior and Cognition*, 4(4), 530–532. <https://doi.org/10.26451/abc.04.04.15.2017>
- Amira, A. G., Gareth, P. P., Jashim, U., Eloise, R., Harriet, D., & Clive, J. C. P. (2018). A forced lateralisation test for dairy cows and its relation to their behaviour. *Applied Animal Behaviour Science*, 207(November 2017), 8–19. <https://doi.org/10.1016/j.applanim.2018.06.008>
- Beaver, B. V. (2019). Chapter 3 - Learning. In B. V. B. T.-E. B. M. Beaver (Ed.), *Equine Behavioral Medicine* (pp. 65–95). Elsevier. <https://doi.org/https://doi.org/10.1016/B978-0-12-812106-1.00003-6>
- Bloor, C., & Allan, L. (2017). Pain scoring systems in the canine and feline patient. *The Veterinary Nurse*, 8(5), 252–258. <https://doi.org/10.12968/vetn.2017.8.5.252>
- Bolt, S. L., Boyland, N. K., Mlynski, D. T., James, R., & Croft, D. P. (2017). Pair housing of dairy calves and age at pairing: Effects on weaning stress, health, production and social networks. *PLoS ONE*, 12(1), 1–18. <https://doi.org/10.1371/journal.pone.0166926>
- Bourin, M. (2015). Animal models for screening anxiolytic-like drugs: A perspective. *Dialogues in Clinical Neuroscience*, 17(3), 295–303. <https://doi.org/10.31887/dcns.2015.17.3/mbourin>
- Budiono, N. G., Afni, N. V. N., Anidya, D. K., Najibah, S., Manisyah, M., Sudrajat, A. H., Gusthama, R., Akbar, R. I. S., Mahdiansyah, F. L., Sarita, N. R., & Ummah, F. (2023). Edukasi Penyakit Mulut dan Kuku serta Pengolahan Daging pada Masyarakat Desa Pangkal Jaya (Kabupaten Bogor) untuk Mencegah Penularan Penyakit pada Hewan Berkuku Belah. *Jurnal Pusat Inovasi Masyarakat (PIM)*, 5(1), 10–21. <https://doi.org/10.29244/jpim.5.1.10-21>
- Carroll, S. L., Sykes, B. W., & Mills, P. C. (2023). Understanding and treating equine behavioural problems. *Veterinary Journal*, 296–297(1), 105985. <https://doi.org/10.1016/j.tvjl.2023.105985>
- Constable, P. D., Hinchcliff, K. W., Done, S. H., & Grünberg, W. B. T.-V. M. (Eleventh E. (Eds.). (2017). Diseases of the Alimentary Tract–Ruminant. In *Veterinary Medicine* (7 Edition, pp. 436–621). W.B. Saunders. <https://doi.org/10.1016/b978-0-7020-5246-0.00008-5>
- dayanti, S., Gushairiyanto, G., & Erina, S. (2020). Identifikasi Morfometrik Sapi Bali dan Sapi Brahman Cross di Kecamatan Irat Kabupaten Merangin. *Jurnal Peternakan Sriwijaya*, 9(2), 11–20. <https://doi.org/10.33230/jps.9.2.2020.11945>
- ., & Krieter, J. (2019). Alterations in sick dairy cows' daily behavioural on, 5(11), e02902. <https://doi.org/10.1016/j.heliyon.2019.e02902>
- ktivitas Harian dan Deteksi Stres pada Sapi Peranakan Ongole (PO).



- Maduranch*, 3(2), 53–58.
- Eusebi, P. G., Sevane, N., O'Rourke, T., Pizarro, M., Boeckx, C., & Dunner, S. (2022). Age Effects Aggressive Behavior: RNA-Seq Analysis in Cattle with Implications for Studying Neoteny Under Domestication. *Behavior Genetics*, 52(2), 141–153. <https://doi.org/10.1007/s10519-021-10097-1>
- Frondelius, L., Van Weyenberg, S., Lindeberg, H., Van Nuffel, A., Maselyne, J., & Pastell, M. (2022). Spatial behaviour of dairy cows is affected by lameness. *Applied Animal Behaviour Science*, 256(September), 105763. <https://doi.org/10.1016/j.applanim.2022.105763>
- Gleerup, K. B. (2017). Identifying Pain Behaviors in Dairy Cattle Functions and Effects of Pain. *University of Copenhagen, Department of Large Animal Sciences*, 29, 231–239.
- Grandl, F., Luzi, S. P., Furger, M., Zeitz, J. O., Leiber, F., Ortmann, S., Clauss, M., Kreuzer, M., & Schwarm, A. (2016). Biological implications of longevity in dairy cows: 1. Changes in feed intake, feeding behavior, and digestion with age. *Journal of Dairy Science*, 99(5), 3457–3471. <https://doi.org/10.3168/jds.2015-10261>
- Ismail, I., Indarjulianto, S., Yusuf, S., & Purba, F. Y. (2023). Clinical Examination of Foot and Mouth Disease of Dairy Cows in Sukamurni, Cilawu, Garut, West Java, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1174(1). <https://doi.org/10.1088/1755-1315/1174/1/012005>
- Jardim, C. C., Silveira, I. D. B., Restle, J., Mendonça, F. S., Bethancourt-Garcia, J. A., de Oliveira, R. M., de Moraes, R. E., Reis, N. P., & Vaz, R. Z. (2022). Effect of good handling on stress indicators and behaviour in beef cattle. *Semina: Ciências Agrárias*, 43(6), 2517–2530. <https://doi.org/10.5433/1679-0359.2022v43n6p2517>
- Jurkovich, V., Hejel, P., & Kovács, L. (2024). A Review of the Effects of Stress on Dairy Cattle Behaviour. *Animals*, 14(14), 1–16. <https://doi.org/10.3390/ani14142038>
- Khakpay, R., & Khakpai, F. (2020). Modulation of anxiety behavior in gonadectomized animals. *Acta Neurobiologiae Experimentalis*, 80(3), 205–216. <https://doi.org/10.21307/ane-2020-019>
- Khosravi, H., Khalilzadeh, E., & Vafaei Saiah, G. (2021). Pain-induced aggression and changes in social behavior in mice. *Aggressive Behavior*, 47(1), 89–98. <https://doi.org/10.1002/ab.21912>
- Kovács, L., Kézér, F. L., Tozsér, J., Szenci, O., Póti, P., & Pajor, F. (2015). Heart rate and heart rate variability in dairy cows with different temperament and behavioural reactivity to humans. *PLoS ONE*, 10(8), 1–13. <https://doi.org/10.1371/journal.pone.0136294>
- Kurnianto, E. (2022). *PEMULIAAN TERNAK Sapi Perah*. Indomedia Pustaka. [www.indomediapustaka.com](http://www.indomediapustaka.com)
- Lastovska, I., & Lutsenko, M. (2016). BEHAVIOR OF YOUNG CATTLE IN TERMS OF INNOVATIVE TECHNOLOGY OF BEEF PRODUCTION. *Theoretical and Applied Veterinary Medicine*, 4(1), 117–120.
- Laven, R. (2018). Managing pain in lame cattle. *Livestock*, 23(4), 161–167. <https://doi.org/10.12968/live.2018.23.4.161>
- P., Temple, D., Goby, L., & Manteca, X. (2022). Alteration in Activity Cows as a Result of Pain Due to Health Conditions. *Animals*, 12(2), 1–13. <https://doi.org/10.3390/ani12020176>
- en, P. W., Lascelles, D., Nolan, A., Robertson, S., Steagall, P. V., Yamashita, K. (2015). Guidelines for recognition, assessment and of pain. *The Veterinary Nurse*, 6(3), 164–173.



- <https://doi.org/10.12968/vetn.2015.6.3.164>
- Mohamad, A., & Shaari, N. F. (2022). Foot and Mouth Disease on Cattle in Peninsular Malaysia: Towards a Sustainable Livestock. *Journal of Sustainability Science and Management*, 17(5), 149–156. <https://doi.org/10.46754/jssm.2022.05.012>
- Møller, H. H., Krogh, M. A., Petersen, M. B., Nielsen, L. R., & Capion, N. (2024). Comparison and interobserver reliability between a visual analog scale and the Wisconsin Calf Health Scoring Chart for detection of respiratory disease in dairy calves. *Journal of Dairy Science*, 107(2), 1102–1109. <https://doi.org/10.3168/jds.2023-23554>
- Mulia, I. F. (2021). Sistem Pakar Diagnosa Penyakit Ternak Sapi Berbasis Web Mobile ( Studi Kasus Pada Peternak Sapi Desa Tanjung Anom Kotaagung Timur ). *Jurnal.Ubd.Ac.Id*, 0577(1), 112–118. <https://jurnal.ubd.ac.id/index.php/algor/article/download/944/502>
- Nechanitzky, K., Starke, A., Vidondo, B., Müller, H., Reckardt, M., Friedli, K., & Steiner, A. (2016). Analysis of behavioral changes in dairy cows associated with claw horn lesions. *Journal of Dairy Science*, 99(4), 2904–2914. <https://doi.org/10.3168/jds.2015-10109>
- Nogues, E., Weary, D. M., & von Keyserlingk, M. A. G. (2023). Graduate Student Literature Review: Sociability, fearfulness, and coping style—Impacts on individual variation in the social behavior of dairy cattle. *Journal of Dairy Science*, 106(12), 9568–9575. <https://doi.org/10.3168/jds.2023-23553>
- Nuraini, D. M., Sunarto, S., Widyas, N., Pramono, A., & Prastowo, S. (2020). Peningkatan Kapasitas Tata Laksana Kesehatan Ternak Sapi Potong di Pelemrejo, Andong, Boyolali. *PRIMA: Journal of Community Empowering and Services*, 4(2), 102. <https://doi.org/10.20961/prima.v4i2.42574>
- Parsons, C. T., Dafoe, J. M., Wyffels, S. A., Delcurto, T., & Boss, D. L. (2021). The influence of residual feed intake and cow age on beef cattle performance, supplement intake, resource use, and grazing behavior on winter mixed-grass rangelands. *Animals*, 11(6), 1–15. <https://doi.org/10.3390/ani11061518>
- Proudfoot, K. L., & Ternman, E. (2024). Methods used for estimating sleep in dairy cattle. *JDS Communications*, 5(5), 374–378. <https://doi.org/10.3168/jdsc.2023-0474>
- Puzio, N., Purwin, C., Nogalski, Z., Białobrzewski, I., Tomczyk, Ł., & Michalski, J. P. (2019). The effects of age and gender (bull vs steer) on the feeding behavior of young beef cattle fed grass silage. *Asian-Australasian Journal of Animal Sciences*, 32(8), 1211–1218. <https://doi.org/10.5713/ajas.18.0698>
- Qayyum, A. (2018). *Studi Sifat Temperamen Sapi Bali Bertanduk dan Tidak Bertanduk* (Vol. 3, Issue 2). Universitas hasanuddin.
- Radhitama, K. D. A., Rahmaniar, R. P., & Wibawati, P. A. (2022). The Effect of Handling Cows with Local Nose Rope (Telusuk) or Halter Rope on Milk Yield by studying Cortisol Levels. *Indian Veterinary Journal*, 99(11), 33–36.
- Rahmi, N., Ridwan, M., & Nurlaelah, S. (2017). Proyeksi populasi ternak sapi potong di Kabupaten Bone dalam pencapaian target RPJMD Kabupaten Bone. *Jurnal Agorisistem*, 13(2), 101–108.
- zami, A., Utami, H. P., Karsyam, H. A., & Widianingrum, D. C. (2022). Kit mulut dan kuku di Indonesia: epidemiologi, diagnosis penyakit, an, dampak penyakit, dan pengendalian. *Conference of Applied Science Proceeding Series*, 3(1), 15–22. <https://doi.org/10.25047/animpro.2022.331>
- , Makalew, A., Rundengan, M. L., & Oroh, F. N. S. (2020). Analisis



- Konsumsi Telur Ayam Ras Pada Mahasiswa Fakultas Peternakan Universitas Sam Ratulangi Manado. *Emba*, 8(4), 1–10. <https://ejournal.unsrat.ac.id/index.php/emba/article/view/30434>
- Sadiq, M. B., Ramanoon, S. Z., Mossadeq, W. M. S., Mansor, R., & Syed-Hussain, S. S. (2017). Association between lameness and indicators of dairy cow welfare based on locomotion scoring, body and hock condition, leg hygiene and lying behavior. *Animals*, 7(11). <https://doi.org/10.3390/ani7110079>
- Sampurna, I. P. (2018). ILMU PETERNAKAN Ternak Besar. In *Jurnal Kedokteran Hewan* (Issue 1). Universitas Udayana Press.
- Sekar, V. K., Mahang, J., Sanubari, M. B., Gonal, P. S., Emuk, M. V., & Puspita Cahya Achmadi. (2024). *Tingkah Laku Makan Ternak Sapi Bali Desa Papang Dan Desa Wewo Kecamatan Satar Mese Manggarai*. 6(2), 56–72. <https://doi.org/https://doi.org/10.51158/agriovet.v6i2.1160>.
- Steagall, P. V., Bustamante, H., Johnson, C. B., & Turner, P. V. (2021). Pain management in farm animals: Focus on cattle, sheep and pigs. *Animals*, 11(6), 1–17. <https://doi.org/10.3390/ani11061483>
- Susilawati Trinil, T. (2017). Sapi Lokal Indonesia. In *UB Press*. UB Press.
- Suther, K. R., Hopp, E., Smevik, B., Fiane, A. E., Lindberg, H. L., Larsen, S., & de Lange, C. (2018). Can visual analogue scale be used in radiologic subjective image quality assessment? *Pediatric Radiology*, 48(11), 1567–1575. <https://doi.org/10.1007/s00247-018-4187-8>
- Tschoner, T., Mueller, K. R., Zablotzki, Y., & Feist, M. (2024). Pain Assessment in Cattle by Use of Numerical Rating and Visual Analogue Scales—A Systematic Review and Meta-Analysis. *Animals*, 14(2), 1–24. <https://doi.org/10.3390/ani14020351>
- Tucker, C. B., Jensen, M. B., de Passillé, A. M., Hänninen, L., & Rushen, J. (2021). Invited review: Lying time and the welfare of dairy cows. *Journal of Dairy Science*, 104(1), 20–46. <https://doi.org/10.3168/jds.2019-18074>
- Vet, A., Medicine, V., Medicine, V., Medicine, V., & Medicine, V. (2015). Assessment and Topical Treatment of Lesions of Foot and Mouth Disease in Cattle. *Assiut Veterinary Medical Journal*, 61(145), 75–81. <https://doi.org/10.21608/avmj.2015.170185>
- Walters, E. T. (2018). Defining pain and painful sentience in animals. *Animal Sentience*, 3(21). <https://doi.org/10.51291/2377-7478.1360>
- Widayadhari, A., Basri, C., & Sudarnika, E. (2024). High Risk Period ( HRP ) Kasus Penyakit Mulut dan Kuku Pasca Wabah pada Peternakan Sapi Perah di Kabupaten Malang Dairy Farms at Malang District. *Jurnal Sains Veteriner*, 42(3), 356–367. <https://doi.org/10.22146/jsv.91219>
- Windsor, P. A. (2022). Role of Topical Anaesthesia in Pain Management of Farm Animals, a Changing Paradigm. *Animals*, 12(18). <https://doi.org/10.3390/ani12182459>
- Wulandani, I. (2022). Case Report: Penyakit Mulut dan Kuku (PMK) pada Ternak Sapi Potong di Kabupaten Bangka Tengah, Provinsi Kepulauan Bangka Belitung Case Report Foot and Mouth Disease (FMD) in Beef Cattle in Central Bangka Regency, Bangka Belitung Islands Province Inawati W. *Vet Bio Clin J*, 4(2), 66–74.
- , S., & Coetzee, J. F. (2024). Pain pathophysiology and pharmacology improved understanding can enhance pain prevention, mitigation, and *Frontiers in Pain Research*, 5(1), 1–21. <https://doi.org/10.3389/fpain.2024.1396992>

