



## DAFTAR PUSTAKA

- Abrahale, K., S. Sousa, G. Albuquerque, P. Padrão, and N. Lunet. 2019. Street food research worldwide: a scoping review. *Journal of Human Nutrition and Dietetics*. 32(2):152–174.
- Addis, M.F., A. Tanca, S. Uzzau, G. Oikonomou, R.C. Bicalho, and P. Moroni. 2016. The bovine milk microbiota: Insights and perspectives from -omics studies. *Molecular BioSystems*. 12(8):2359–2372.
- Adugna, C. and M. Eshetu. 2022. Hygienic practice, microbial quality and physico-chemical properties of milk collected from farmers and market chains in Eastern Wollega Zone of Sibu Sire Districts, Ethiopia. *Food Science and Quality Management*. 116:13–21.
- Ahmad, T., M. Q. Bilal, S. Ullah, and G. Muhammad. 2005. Effect of severity of mastitis on pH and specific gravity of buffalo milk. *Pakistan Journal of Agricultural Science*. 42: 64–67.
- Ahmed, S., Zim AFMIU, S. Rahman, S. Ghosh, A. Chhetri, and M. S. Ali. 2019. Quality and safety assessment of Bangladeshi pasteurized milk. *Journal of Food Quality and Hazards Control*.
- Al-Jundi, S. A., M. Ali, H. Latan, and H. A. Al-Janabi. 2020. The effect of poverty on street vending through sequential mediations of education, immigration, and unemployment. *Sustainable Cities and Society*. 62:102316.
- Albuquerque, G., M. Gelormini, I. L. De Morais, S. Sousa, S. Casal, O. Pinho, P. Moreira, J. Breda, N. Lunet, and P. Padrão. 2020. Street food in Eastern Europe: A perspective from an urban environment in Moldova. *British Journal of Nutrition*. 124(10):1093–1101.
- Alimi, B. A. 2016. Risk factors in street food practices in developing countries: A review. *Food Science and Human Wellness*. 5(3):141–148.
- Ameeta, S., S. Ankita, and G. Anjali. 2017. Evaluation of adulterants commonly found in milk samples. *International Journal of Agriculture and Food Science Technology*. 8(1):13–18.
- Amorim, A. M. B. and S. Nascimento. 2017. A highlight for Non- Escherichia coli and Non- Salmonella sp . Enterobacteriaceae in dairy foods contamination. 8:2011–2014.
- Andriani, D.P., R. B. Mashito, and M. L. W. Handayani. 2021. Offline quality control for optimization of pasteurized milk production parameters. *IOP Conference Series: Earth and Environmental Science*. 743.
- Anema, S. G. 2008. Heat and/or high-pressure treatment of skim milk: Changes to the casein micelle size, whey proteins and the acid gelation properties of the milk. *International Journal of Dairy Technology*. 61(3):245–252.
- Anindita, N.S. and D.S. Soyi. 2017. Studi kasus: Pengawasan kualitas pangan hewani melalui pengujian kualitas susu sapi yang beredar di Kota Yogyakarta. *Jurnal Peternakan Indonesia*. 19(2): 96–105.
- AOAC (Association of Official Analytical Chemists). 1996. Official Methods of Analysis, 16th Ed. Association of Official Analytical Chemist, Washington, DC.
- AOAC (Association of Official Analytical Chemists). 1975. Official Method of Analysis. The Association of Analytical Chemists. 12th ed. William Horwith (Ed.). Benjamin Franklin Station, Washington DC.
- Apriyani., R. Muchariman, Jomi, and T. Wijaya. 2021. Peningkatan nilai tambah susu kambing etawa di UM PureFresh Kabupaten Ciamis. *Jurnal Pengabdian Siliwangi*. 7(2):71–77.



- Arief, I. I., Z. Wulandari, M. S. Soenarno, and D. Murtini. 2020. Raw and pasteurized milk quality of D-farm milk processing unit at Faculty of Animal Science, IPB University. *Jurnal Ilmu-Ilmu Peternakan*. 30(2): 103–108.
- Arjadi, L., Nurwantoro, and D. W. Harjanti. 2017. Evaluasi cemaran bakteri susu yang ditinjau melalui rantai distribusi susu dari peternak hingga KUD di Kabupaten Boyolali. *Mediagro*. 13(1):1–10.
- Arjakusuma, R.S., S. Hartoyo, and I. Fahmi. 2013. Rantai nilai pada industri susu: studi kasus PT. Cisarua Montain Dairy (Cimory). *Jurnal Manajemen dan Agribisnis*. 10(1):22–31.
- Artursson, K., J. Schelin, S. Thisted Lambertz, I. Hansson, and E. Olsson Engvall. 2018. Foodborne pathogens in unpasteurized milk in Sweden. *International Journal of Food Microbiology*. 284(2018):120–127.
- Arwani, M., I. Santoso, and N. Rahmatin. 2018. A dynamic model for managing adulteration risks of dairy industry supply chain in Indonesia. *Advances in Food Science, Sustainable Agriculture and Agroindustrial Engineering (AFSSAAE)*. 1:1–8.
- Asmaq, N. and J. Marisa. 2020. Karakteristik fisik dan organoleptik susu segar di Medan Sunggal. *Jurnal Peternakan Indonesia (Indonesian Journal of Animal Science)*. 22(2):168–175.
- Aydogdu, T., J. A. O'Mahony, and N. A. McCarthy. 2023. pH, the fundamentals for milk and dairy processing: a review. *Dairy*. 4(3):395–409.
- Badan Pusat Statistik. 2020. Produksi telur unggas dan susu sapi. *Badan Pusat Statistik*. 2020.
- Badan Pusat Statistik Jawa Tengah, 2020. Produksi produksi telur unggas dan susu sapi menurut Kabupaten/Kota dan jenis unggas di Provinsi Jawa Tengah, 2018 dan 2019. Jawa Tengah
- Badan Pusat Statistik. 2020. Kabupaten Boyolali dalam Angka 2018. BPS, Jawa Tengah.
- Badan Standardisasi Nasional. 1995. Standar Nasional Indonesia. Susu Pasteurisasi. SNI 01-3951-1995.
- Badan Standardisasi Nasional. 2011. Standar Nasional Indonesia. Susu Segar Bagian 1. SNI 01-3141-2011.
- Barham, G. S., M. Khaskheli, A. H. Soomro, and Z. A. Nizamani. 2014. Extent of extraneous water and detection of various adulterants in market milk at Mirpurkhas, Pakistan. *IOSR Journal of Agriculture and Veterinary Science*. 7(3): 83–89.
- Bedi, J.S., J. P. S. Gill, R. S. Aulakh, and P. Kaur. 2015. Pesticide residues in bovine milk in Punjab, India: Spatial variation and risk assessment to human health. *Archives of Environmental Contamination and Toxicology*. 69: 230–240.
- Braem, G., S. De Vliegher, B. Verbist, M. Heyndrickx, F. Leroy, and L. De Vuyst L. 2012. Culture-independent exploration of the teat apex microbiota of dairy cows reveals a wide bacterial species diversity. *Veterinary Microbiology*. 157(3-4): 383–390.
- Brick, T., M. Ege, S. Boeren, A. Böck, E. Von Mutius, J. Vervoort, and K. Hettinga. 2017. Effect of processing intensity on immunologically active bovine milk serum proteins. *Nutrients*. 9(9): 1–14.
- Buchanan, R. L., and R. Oni. 2012. Use of microbiological indicators for assessing hygiene controls for the manufacture of powdered infant formula. *Journal of Food Protection*. 75(5): 989–997.



- Calahorrano-Moreno, M. B., J. J. Ordoñez-Bailon, R. J. Baquerizo-Crespo, A. A. Dueñas-Rivadeneira, M. C. B. S. M. Montenegro, and J. M. Rodríguez-Díaz . 2022. Contaminants in the cow's milk we consume? Pasteurization and other technologies in the elimination of contaminants. *F1000Research*. 11: 1–34.
- Cerdán, J. F., M. Peris-Tortajada, M. Puchades, and A. Maquieira. 1992. Automation of the determination of hydrogen peroxide, dichromate, formaldehyde and bicarbonate in milk by flow injection analysis. *Fresenius' Journal of Analytical Chemistry*. 344:123–127.
- Chakraborty, M., and K. Biswas. 2018. Limit of detection for five common adulterants in milk : a study with different fat percent. *IEEE Sensors Journal*. 18(6):2395–2403.
- Chavan, R.S., S. R. Chavan, C. D. Khedkar, and A. H. Jana. 2011. UHT milk processing and effect of plasmin activity on shelf life: A review. *Comprehensive Reviews in Food Science and Food Safety*. 10(5):251–268.
- Chen, W. L., M. T. Hwang, C. Y. Liau, J. C. Ho, K. C. Hong, and S. T. J. Mao. 2005. B-Lactoglobulin is a thermal marker in processed milk as studied by electrophoresis and circular dichroic spectra. *Journal of Dairy Science*. 88 (5): 1618–1630.
- Chimde, L. 2020. Review on impacts of COVID-19 pandemic on life animals and dairy product processing industries of the world. *Insights in Veterinary Science*. 4:018–024.
- Chotiah, S. 2008. The pathogenic bacteria which probable to be found in cow milk and its prevention. *Journal of Veterinary Science*. 14: 259-266.
- Christi, R. F., L. B. Salman, N. Widjaja, and A. Sudrajat. 2022. Tampilan berat jenis, bahan kering tanpa lemak, kadar air dan titik beku susu sapi perah friesian holstein pada pemerahan pagi dan sore di CV Ben Buana Sejahtera Kecamatan Jatinangor Kabupaten Sumedang. *Jurnal Sains Peternakan*. 10(1): 13–20.
- Cimmino, F., A. Catapano, I. Villano , G. Di Maio, L. Petrella, G. Traina, A. Pizzella, R. Tudisco, and G. Cavaliere. 2023. Invited review: human, cow, and donkey milk comparison: focus on metabolic effects. *Journal of Dairy Science*. 106(5): 3072–3085.
- Daryono. 2011. Manajemen Pemasaran. CV. Yrama Widya. Bandung.
- Desye, B., B. D. Bitew, D. E. Amare, T. A. Birhan, A. Getaneh, and Z. H. Gufue . 2023. Quality assessment of raw and pasteurized milk in Gondar city , Northwest Ethiopia: A laboratory-based cross-sectional study. *Heliyon*. 9: e14202.
- Deeth, H., dan G. Smithers. 2018. Heat Treatment of Milk-Overview. International Dairy Federation. Brussels.
- Del Angel, C.R., and D. G. Dalgleish. 2006. Structures and some properties of soluble protein complexes formed by the heating of reconstituted skim milk powder. *Food Research International*. 39(4): 472–479.
- Dwitania, D. C., and I. B. N. Swacita. 2013. Uji didih, alkohol dan derajat asam susu sapi kemasan yang dijual di pasar tradisional Kota Denpasar. *Indonesia Medicus Veterinus*. 2(4):437–444.
- Eden, R. 2014. *Enterobacteriaceae, Coliforms and E.Coli: classical and modern methods for detection and enumeration*. Elsevier.
- Erwidodo., E. Ariningsih, T. B. Purwantini, and A. R. Irawan. 2022. Meningkatkan budaya bersih dan sehat serta manfaatnya pada usaha ternak sapi perah rakyat di Jawa Barat. *Analisis Kebijakan Pertanian*. 20(2):209–230.



- Fang, Q., J. Sun, D. Cao, Y. Tuo, S. Jiang, and G. Mu. 2017. Experimental and modelling study of the denaturation of milk protein by heat treatment. *Korean Journal for Food Science of Animal Resources*. 37:44–51.
- FAO. 2009. Good hygienic practices in the preparation and sale of street foods in Africa. Tools for training. Food and Agriculture Organization of the United Nations, Rome, Italy.
- Fardiaz, S. 1993. Analisis mikrobiologi pangan. Raja Grafindo Persada Press, Jakarta.
- Farrell, H.M., R. Jimenez-Flores, G. T. Bleck, E. M. Brown, J. E. Butler, L. K. Creamer, C. L. Hicks, C. M. Hollar, K. F. Ng-Kwai-Hang, and H. E. Swaisgood. 2004. Nomenclature of the proteins of cows' milk - Sixth revision. *Journal of Dairy Science*. 87(6):1641–1674.
- Fauziah, R., R. Malaka, and F. N. Yuliati. 2020. Titratable acidity and pH changes of pasteurized milk by addition of roselle flower extract in the refrigerator storage. *IOP Conference Series: Earth and Environmental Science*. 492:1–4.
- Finete, V de LM., M. M. Gouvêa, F. F. Marques de C and Netto ADP (2013) Is it possible to screen for milk or whey protein adulteration with melamine, urea and ammonium sulphate, combining Kjeldahl and classical spectrophotometric methods? *Food Chemistry*. 141(4):3649–3655.
- Fišera, M., S. Kráčmar, K. Šustová, P. Tvrzník, H. Velichová, L. Fišerová, and V. Kubáň. 2020. Effects of the lactation period, breed and feed on amino acids profile of mare's milk. *Potravinarstvo Slovak Journal of Food Sciences*. 14:562–572.
- Food and Agriculture Organization. 2017. Dairy Market Review. <http://www.fao.org/3/I9210EN/i9210en.pdf/>. Diakses tanggal 2 Juni 2024.
- Food and Agriculture Organization. 2019. Gateway to dairy production and products. <http://www.fao.org/dairy-production-products/production/dairy-animals/en/>. Diakses tanggal 2 Juni 2024.
- Fromm, H. I., and K. J. Boor. 2004. Food microbiology and safety characterization of pasteurized fluid milk shelf-life attributes. *Journal of Food Science*. 69(8):207–214.
- Fusco, V., D. Chieffi, F. Fanelli, A. F. Logrieco, G. S. Cho, J. Kabisch, C. Böhnlein, and C. M. A. P. Franz. 2020. Microbial quality and safety of milk and milk products in the 21st century. *Comprehensive Reviews in Food Science and Food Safety*. 19(4):2013–2049.
- Gai, N., T. Uniacke-lowe, J. O'regan, H. Faulkner, and A. L. Kelly. 2021. Effect of protein genotypes on physicochemical properties and protein functionality of bovine milk: A review. *Foods*. 10(10):1–23.
- Gelormini, M., A. Damasceno, S. A. Lopes, S. Maló, C. Chongole, P. Muholove, S. Casal, O. Pinho, P. Moreira, P. Padrão P. 2015. Street food environment in Maputo (STOOD Map): A cross-sectional study in mozambique. *JMIR Research Protocols*. 4(3).
- Gondim, C. D. S., R. Cesar, S. D. Souza, M. D. Paul, R. G. Junqueira, S. Vitorino, and C. D. Souza. 2015. Analytical methods detection of adulterants in milk : starch, chlorides, and sucrose. *Analytical Methods*. 7(22):9692–9701.
- Goodarzi, M.M., M. Moradi, H. Tajik, M. Forough, P. Ezati, and B. Kuswandi. 2020. Development of an easy-to-use colorimetric pH label with starch and carrot anthocyanins for milk shelf life assessment. *International Journal of Biological Macromolecules*. 153:240–247.
- Griffiths, M. 2010. *Improving the safety and quality of milk: milk production and*



- processing. Elsevier.
- Gwandu, S. H., H. E. Nonga, R. H. Mdegela, A. S. Katakweba, T. S. Suleiman, and R. Ryoba. 2018. Assessment of raw cow milk quality in smallholder dairy farms in Pemba Island Zanzibar , Tanzania. *Veterinary Medicine International*.
- Hadiwiyoto S. 1994. Teori dan Prosedur Pengujian Mutu Susu dan Hasil Olahannya. Penerbit Liberty. Yogyakarta.
- Handayani, K.S., Purwanti. M. 2010. Kesehatan ambing dan higiene pemerah di peternakan sapi perah desa Pasir Buncir Kecamatan Caringin. *Jurnal Penyuluhan Pertanian* 5(1): 47-54.
- Hasan. T, and R. H. Rakib. 2017. Physiochemical and microbiological quality assessment and detection of adulterants of raw milk available in Nakla Upazila, Sherpur, Bangladesh. *SAARC Journal of Agriculture*. 14(2):210–217.
- Heck, J. M. L., H. J. F. van valenberg, J. Dijkstra, andA. C. M. van Hooijdonk. 2009. Seasonal variation in the Dutch bovine raw milk composition. *Journal of Dairy Science*. 92(10):4745–4755.
- Hervert, C. J., A. S. Alles, N. H. Martin, K. J. Boor, and M. Wiedmann. 2016. Evaluation of different methods to detect microbial hygiene indicators relevant in the dairy industry. *Journal of Dairy Science*. 99(9):7033–7042.
- Hoogenboom, L. A. P., P. P. J. Mulder, M. J. Zeilmaker, H. J. van den Top, G. J. Remmelink, E. F. A. Brandon, M. Klijnstra, G. A. L. Meijer, R. Schothorst, and H. P. van Egmond. 2011. Carry-over of pyrrolizidine alkaloids from feed to milk in dairy cows. *Food Additives and Contaminants - Part A*. 28(3):359–372.
- Ikhwana, A., and F. H. Subagja. 2022. Identifikasi dan mitigasi risiko rantai pasok susu sapi perah. *Jurnal Kalibrasi*. 20(1):1–10.
- Imathiu, S. 2017. Street vended foods: Potential for improving food and nutrition security or a risk factor for foodborne diseases in developing countries? *Current Research in Nutrition and Food Science*. 5(2):55–65.
- Imran, M., H. Khan, S. S. Hassan, and R. Khan. 2008. Physicochemical characteristics of various milk samples available in Pakistan. *Journal of Zhejiang University: Science B*. 9: 546–551.
- Ismiarti, Y. Y. Suranindyah and Widodo. 2019. Microbiological qualities of goat milk obtained under different milking systems at a smallholder dairy farm in Yogyakarta, Indonesia. *International Journal of Dairy Science*. 14:29–35.
- Jaman, M. F. V., I. K. Suada, and I. P. Sampurna. 2013. Kualitas susu kambing peranakan etawa selama penyimpanan suhu ruang ditinjau dari rasa , pH dan uji alkohol. *Indonesia Medicus Veterinus*. 2(5):469–478.
- Javaid, S., J. Gadahi, M. Khaskeli, B. Bhutto, S. Kumbher, and A. Panhwar. 2009. Physical and chemical quality of market milk sold at Tandojam, Pakistan. *Pakistan Veterinary Journal*. 29(1):27–31.
- Jezezki, J.J. 2008. Progress in Basic Bacteriology of Milk. Dapartemen of Dairy Husbandry, University of Minnesota,St.Paul.
- Jitmun, T., J. K. M. Kuwornu, A. Datta, and A. A. Kumar. 2020. Factors influencing membership of dairy cooperatives: Evidence from dairy farmers in Thailand. *Journal of Co-Operative Organization and Management*. 8.
- Kalmus, P., T. Kramarenko, M. Roasto, K. Meremae. dan A. Viltrop. 2014. Quality of raw milk intended for direct consumption in Estonia. *Food Control*. 5:135-139.
- Kantiani, L., M. Farré, M. Sibum, C. Postigo, M. L. De Alda, and D. Barceló. 2009. Fully automated analysis of  $\beta$ -lactams in bovine milk by online solid phase extraction-liquid chromatography-electrospray-tandem mass spectrometry.



- Analytical Chemistry.* 81(11):4285–4295.
- Karmaker, A., P. C. Das, and A. Iqbal. 2020. Quality assessment of different commercial and local milk available in the local markets of selected area of bangladesh. *Journal of Advanced Veterinary and Animal Research.* 7(1):26–33.
- Kementerian Pertanian, P. D., and S. I. P. 2019. Buletin konsumsi pangan. Tersedia di: <https://satudata.pertanian.go.id/>. Diakses pada 6 Juni 2024.
- Kesumasar, D. 2020. Understanding physical settings of street vendors in Surakarta, Indonesia. *IOP Conference Series: Earth and Environmental Science.* 490.
- Kholif, A.E., H. M. Khattab, A. A. El-Shewy, A. Z. M. Salem, A. M. Kholif, M. M. El-Sayed, H. M. Gado, and M. D. Mariezcurrena. 2014. Nutrient digestibility , ruminal fermentation activities , serum parameters and milk production and composition of lactating goats fed diets containing rice straw treated with pleurotus ostreatus. *Asian-Australasian Journal of Animal Sciences.* 27(3):357–364.
- Knezevic, S. V., J. Vranesovic, M. Pelic, S. Knezevic, J. Kurelusic, D. Milanov, and L. Pelic. 2021. The significance of Enterobacteriaceae as a process hygiene criterion in yogurt production. *IOP Conference Series: Earth and Environmental Science.* 854.
- Korhonen, H. J .2011. *Bioactive milk proteins, peptides and lipids and other functional components derived from milk and bovine colostrum.* Woodhead Publishing Limited.
- Kotler, P., and Amstrong. 2017. Manajemen pemasaran. Salemba Empat.
- Kubicová, L., K. Predanociová, and Z. Kádeková. 2019. The importance of milk and dairy products consumption as a part of rational nutrition. *Potravinarstvo Slovak Journal of Food Sciences.* 13(1):234–243.
- Lai, C.Y., A. B. Fatimah, N. A. Mahyudin, N. Saari, and M. Z. Zaman, 2016. Physico-chemical and microbiological qualities of locally produced raw goat milk. *International Food Research Journal.* 23(2):739–750.
- Lan, X.Y., J. Q. Wang, D. P. Bu, J. S. Shen, N. Zheng, dan P. Sun. 2010. Effects of heating temperatures and addition of reconstituted milk on the heat indicators in milk. *Journal of Food Science,* 75(8): C653-C658.
- Lateef, M., A. Faraz, M. Mustafa, P. Akhtar, and M. Bashir. 2009. Detection of adulterants and chemical composition of milk supplied to canteens of various hospitals in Faisalabad city. *Pakistan Journal of Zoology.* 9:139–142.
- Le, T.T., T. Thanh, Q. Phan, Camp J Van, and K. Dewettinck. 2015. *Milk and dairy polar lipids: occurrence, purification, and nutritional and technological properties.* AOCS Press.
- Lin, T., G. Meletharayil, R. Kapoor, and A. Abbaspourrad. 2021. Bioactives in bovine milk : chemistry, technology, and applications. 79, 48–69.
- Lindahl, J. F., R. P. Deka, R. Asse, L. Lapar, and D. Grace. 2018. Hygiene knowledge, attitudes and practices among dairy value chain actors in Assam, north-east India and the impact of a training intervention. *Infection Ecology and Epidemiology.* 8.
- Liu, J., F. Xie, R. Li, T. Li, Z. Jia, Y. Wang Y, X. Zhang, and C. Fan. 2019. TiO<sub>2-x</sub>/Ag<sub>3</sub>PO<sub>4</sub> photocatalyst: Oxygen vacancy dependent visible light photocatalytic performance and BPA degradative pathway. *Materials Science in Semiconductor Processing.* 97:1–10.
- Maharani., M. B. Sudarwanto, S. Soviana, and H. Pisestyani. 2020. Pemeriksaan



- kualitas susu asal kedai susu kawasan permukiman mahasiswa IPB Dramaga dan Cilibende Bogor. *Jurnal Kajian Veteriner*. 8(1):24–33.
- Mak, A. H. N., M. Lumbers, and A. Eves. 2012. Globalisation and food consumption in tourism. *Annals of Tourism Research*. 39(1):171–196.
- Manoni, M., Lorenzo C Di, M. Ottoboni, M. Tretola, and L. Pinotti. 2020. Comparative proteomics of milk fat globule membrane ( MFGM ) proteome across species and lactation stages and the potentials of MFGM fractions in infant formula preparation. *Foods*. 9, 1251.
- Mansour, A. I. A., M. M. El-Loly, and R. O. Ahmed. 2012). A preliminary detection of physical and chemical properties, inhibitory substances and preservatives in raw milk. *Internet Journal of Food Safety*. 14:93–103.
- Marangoni, F., L. Pellegrino, E. Verduci, A. Ghiselli, R. Bernabei, R. Calvani, I. Cetin, M. Giampietro, F. Perticone, L. Piretta. 2019. Cow's milk consumption and health: a health professional's guide. *Journal of the American College of Nutrition*. 38(3):197–208.
- Mariana, E., A. D. N. Hadi, and N. Qoim. 2016. Respon fisiologis dan kualitas susu sapi perah friesian holstein pada musim kemarau panjang di dataran tinggi. *Jurnal Agripet*. 16(2):131–139.
- Maulida, E., S. Gayatri, and W. Roessali. 2021. Analisis kepuasan kemitraan peternak sapi perah dan Koperasi Andini Luhur. *SOCA: Journal on Social Economics of Agriculture*. 15(1):1–18.
- Memon, M. A., M. Khaskheli, A. A. Kamboh, N. A. Soomro, A. S. Mangsi, G. S. Barham, and N. A. Korejo. 2018. Surveillance of milk adulteration and its influence on physico-chemical characteristics of milk in Hyderabad, Pakistan. *Journal of Animal Health and Production*. 6(1): 5–12.
- Mladenović, K. G., M. Grujović, M. Kiš, S. Furmeg, V. J. Tkalec, O. D. Stefanović, and S. D. Kocić-Tanackov. 2021. Enterobacteriaceae in food safety with an emphasis on raw milk and meat. *Applied Microbiology and Biotechnology*. 105:8615–8627.
- Motta, T. M. C., R. B. Hoff, F. Barreto, R. B. S. Andrade, D. M. Lorenzini, L. Z. Meneghini, and T. M. Pizzolato. 2014. Detection and confirmation of milk adulteration with cheese whey using proteomic-like sample preparation and liquid chromatography-electrospray-tandem mass spectrometry analysis. *Talanta*. 120:498–505.
- Moughan, P.J. 2014. *Milk proteins: a cornucopia for developing functional foods*. Elsevier Inc.
- Muehlhoff, E., A. Bennett, and D. McMahon. 2013. *Milk and dairy products in human nutrition*. Rome (Italy): Food and Agriculture Organisation of the United Nations.
- Mukhtar A. 2006. Ilmu Produksi Ternak Perah. Surakarta (ID): Lembaga Pengembangan Pendidikan (LPP) dan UPT UNS Pr.
- Nababan, M., I. K. Suada, and I. B. N. Swacita. 2015. Kualitas susu segar pada penyimpanan suhu ruang ditinjau dari uji alkohol, derajat keasaman dan angka katalase. *Indonesia Medicus Veterinus*. 4:374–382.
- Nurdiansyah, I., D. Suherman, and H. D. Putranto. 2020. Hubungan karakteristik peternak dengan skala kepemilikan sapi perah di Kecamatan Kabawetan Kabupaten Kepahiang. *Buletin Peternakan Tropis*. 1(2):64–74.
- Nurtini, S., and M. A. U. Muzayyanah. 2018. Profil peternakan sapi perah rakyat di Indonesia. Gadjah Mada University Press. Yogyakarta.
- Nurwantoro and Sri Mulyani. 2003. *Dasar teknologi hasil ternak*. Semarang:



Fakultas Peternakan Universitas Diponegoro. Semarang.

- Nyokabi, S. N., I. J. M. de Boer, P. A. Luning, L. Korir, J. Lindahl, B. Bett, and S. J. Oosting. 2021. Milk quality along dairy farming systems and associated value chains in Kenya: An analysis of composition, contamination and adulteration. *Food Control*. 119:107482.
- Olfa, B. M., M. Malika, B. F. Abderraouf, and H. Mnasser. 2013. Effect of the lactoperoxidase system on proteolysis and physicochemical changes in ultra high temperature milk during storage. *African Journal of Biotechnology*. 12(16):2041–2050.
- Omemu, A. M., and S. T. Aderoju. 2008. Food safety knowledge and practices of street food vendors in the city of Abeokuta, Nigeria. *Food Control*. 19(4):396–402.
- Owen, M., C. Willis, and D. Lamph. 2010. Evaluation of the TEMPO® most probable number technique for the enumeration of Enterobacteriaceae in food and dairy products. *Journal of Applied Microbiology*. 109(5):1810–1816.
- Park, Y. W., M. Juárez, M. Ramos, and G. F. W. Haenlein. 2007. Physico-chemical characteristics of goat and sheep milk. *Small Ruminant Research*. 68(1-2):88–113.
- Park, Y. W., G. F. W. Haenlein, and W. L. Wendorff. 2017 Overview of milk of non-bovine mammals (second edition). *Handbook of Milk of Non-Bovine Mammals: Second Edition*. 1–9.
- Pisestyan, H., N. N. Ramadhani, M. Sudarwanto, D. W. Lukman, and A. Wicaksono. 2021. Praktik sanitasi dan higiene penjual minuman susu aneka rasa siap minum berdasarkan jumlah *coliform* dan *Staphylococcus aureus*. *Jurnal Medik Veteriner*. 4(1):14–22.
- Pramita, A., R. Putrl, and T. Aspiranti. 2019. Analisis pengukuran kinerja manajemen rantai pasok pada produk susu perah menggunakan metode SCOR di Koperasi Peternak Susu Sapi Bandung Utara (KPSBU) Lembang. *Prosiding Manajemen*. 5:1078–1087.
- Priyanto, A.D., L. A. Wicaksono, and A. W. Putranto. 2021. Pengaruh suhu dan waktu pre-heating pada kualitas fisik, total mikroba dan organoleptik susu kolagen sapi yang dipasteurisasi menggunakan *pulsed electric field*. *Jurnal Keteknikan Pertanian Tropis Dan Biosistem*. 9(2):141–153.
- Purnomo, S. H., A. I. Sari, and M. A. Haris. 2021. Analisis pemasaran susu segar sapi perah di Kecamatan Mojosongo Kabupaten Boyolali, Jawa Tengah. *Jurnal Pemikiran Masyarakat Ilmiah Berwawasan Agribisnis*. 7(1):898–910.
- Purwadi., Radiati, L.K., Evanuarini, H., Andriani, R.D. 2017, Penanganan Hasil Ternak, UB Press, Malang
- Quigley, L., R. McCarthy, O. O'Sullivan, T. P. Beresford, G. F. Fitzgerald, R. P. Ross, C. Stanton, and P. D. Cotter. 2013. The microbial content of raw and pasteurized cow milk as determined by molecular approaches. *Journal of Dairy Science*. 96(8):4928–4937.
- Rahayu, N. P. N., R. Kawuri, and N. L. Suriani. 2014. Uji keberadaan *Staphylococcus aureus* pada sosis tradisional yang beredar di pasar tradisional di Denpasar, Bali. *Jurnal Simbiosis*. 2(1):147–157.
- Rakha, A., M. Fatima, Y. Bano, M. A. Khan, N. Chaudhary, and R., M. Aadil. 2022. Safety and quality perspective of street vended foods in developing countries. *Food Control*. 138:109001.
- Rane, S. 2011. Street vended food in developing world: hazard analyses. *Indian Journal of Microbiology*. 51(1):100–106.



- Rangkuti, F. 2013. Strategi promosi yang kreatif dan analisis kasus *integrated marketing communication*. Gramedia Pustaka Utama. Jakarta.
- Rauh, V., and Y. Xiao. 2022. The shelf life of heat-treated dairy products. *International Dairy Journal*. 125:105235.
- Rawat, S. 2015. Food spoilage: microorganisms and their prevention. *Pelagia Research Library Asian Journal of Plant Science and Research*. 5(4):47–56.
- Ritota, M., M. G. Di Costanzo, M. Mattera, and P. Manzi. 2017. New trends for the evaluation of heat treatments of milk. *Journal of Analytical Methods in Chemistry*.
- Riyanto, J., S. Sunarto., B.S. Hertanto., M. Cahyadi., R. Hidayah. and W. Sejati. 2016. Produksi dan kualitas susu sapi perah penderita mastitis yang mendapat pengobatan antibiotik. *Sains Peternakan: Jurnal Penelitian Ilmu Peternakan*. 14(2): 30-41.
- Rosales, A. P., A. R. Linnemann, and P. A. Luning. 2023. Food safety knowledge, self-reported hygiene practices, and street food vendors' perceptions of current hygiene facilities and services - An Ecuadorean case. *Food Control* 144, 109377.
- Safitri, A. D. R., S. Susilowati, and I. Dinasari. 2021. Peran koperasi penampungan susu dalam peningkatan ekonomi peternak sapi perah skala rakyat. *Jurnal Dinamika Rekaswta*. 4:63–69.
- Saleh, E. 2004. Dasar pengolahan susu dan hasil ikutan ternak. Program Studi Produksi Ternak. Fakultas Pertanian Universitas Sumatera Utara.
- Salih, M. A. M., and S. Yang. 2017. Common milk adulteration in developing countries cases study in China and Sudan: A Review. *Advances in Dairy Research*. 05.
- Santoso, W.E.A. and Estiasih, T. 2014. Jurnal review: kopigmentasi ubi jalar ungu (*ipomoea batatas* var. *ayamurasaki*) dengan kopigmen na-kaseinat dan protein whey serta stabilitasnya terhadap pemanasan. *Jurnal Pangan dan Agroindustri*, 2(4):121-126.
- Sari, A. I., S. H. Purnomo, S. Emawati, E. T. Rahayu, B. S. Hertanto, and M. A. Haris. 2018. Efisiensi pemasaran melalui minimasi jalur distribusi susu segar sapi perah di Kecamatan Mojosongo Kabupaten Boyolali. *Caraka Tani: Journal of Sustainable Agriculture*, 32:42.
- Schettler, T., N. E. Skakkebæk, D. De Kretser, and H. Leffers. 2006. Human exposure to phthalates via consumer products. *International Journal of Andrology*. 29(1):134–139.
- Sebastiani, C., C. Arcangeli, M. Ciullo, M. Torricelli, G. Cinti, S. Fisichella, and M. Biagetti. 2020. Frequencies evaluation of  $\beta$ -Casein gene polymorphisms in dairy cows reared in central Italy. *Animals*. 10(2):1–7.
- Setiyorini, D. A., S. E. Rochmi, T. W. Suprayogi, and M. Lamid. 2020. Kualitas dan kuantitas produksi susu sapi di Kemitraan PT . Greenfields Indonesia ditinjau dari ketinggian tempat. *Jurnal Sain Peternakan Indonesia*. 15(4):426–433.
- Shaikh, N., A. H. Soomro, S. A. Sheikh, M. Khaskheli, and A. Marri. 2013. Detection of adulterants and their effect on the quality characteristics of market milk. *Pakistan Journal of Agriculture Agricultural Engineering and*



- Veterinary Sciences. 29(2):175–183.
- Singh, P., and N. Gandhi. 2015. Milk preservatives and adulterants: processing, regulatory and safety issues. *Food Reviews International*. 31(3):236–261.
- Smigic, N., I. Djekic, I. Tomasevic, J. Miocinovic, and R. Gvozdenovic. 2012. Implication of food safety measures on microbiological quality of raw and pasteurized milk. *Food Control*. 25(2):728–731.
- Standar Nasional Indonesia. 2008. Metode Pengujian Cemaran Mikroba dalam Daging, Telur, dan Susu Serta Hasil Olahannya. SNI 2897-2008. Badan Standardisasi Nasional, Jakarta.
- Sudarmadji, S., B. Haryono, and Suhardi. 1997. Prosedur Analisa Bahan Makanan dan Pertanian. Liberty. Yogyakarta.
- Suhendra, D., G. T. Anggiati, S. Sarah, A. F. Nasrullah, A. Thimoty, and D. W. C. Utama. 2015. Tampilan kualitas susu sapi perah akibatimbangan konsentrat dan hijauan yang berbeda. *Jurnal Ilmu-Ilmu Peternakan*. 25(1):42–46.
- Sumarmono, J. 2022. Current goat milk production, characteristics, and utilization in Indonesia. *IOP Conference Series: Earth and Environmental Science* 1041.
- Suranindyah, Y., E. Wahyuni, S. Bintara, and G. Purbaya. 2015. The effect of improving sanitation prior to milking on milk quality of dairy cow in farmer group. *Procedia Food Science*. 3:150–155.
- Sutiningsih, D., and Fitriyani. 2022. Relationship of milking hygiene to the presence of *Staphylococcus aureus* in dairy cow's milk with subclinical mastitis. *Jurnal Ilmu dan Teknologi Peternakan Tropis*, 9:386–391.
- Sutrisna, D. Y., I. K. Suada, and I. P. Sampurna. 2014. Kualitas susu kambing selama penyimpanan pada suhu ruang berdasarkan berat jenis, uji didih, dan kekentalan. *Indonesia Medicus Veterinus*. 3(1):60–67.
- Suwito, W. 2010. Bakteri yang sering mencemari susu: deteksi, patogenesis, epidemiologi, dan cara pengendaliannya. *Jurnal Litbang Pertanian*. 29:96–100.
- Swai, E., and L. Schoonman. 2011. Microbial quality and associated health risks of raw milk marketed in the Tanga region of Tanzania. *Asian Pacific Journal of Tropical Biomedicine*. 1(3):217–222.
- Swathi, J., and N. Kauser. 2015. A study on adulteration of milk and milk products from local vendors. *International Journal of Biomedical and Advance Research*. 6(9):678–681.
- Syamsi, A. N., T. Y. Astuti, and H. S. Widodo. 2018. Kajian keamanan pangan dan tingkat prevalensi cemaran bakteri susu di Sentra Pengembangan Sapi Perah. *Jurnal Ilmu-Ilmu Peternakan*. 28(3):224–232.
- Tailford, K. A., C. L. Berry, A. C. Thomas, and J. H. Campbell. 2003. A casein variant in cow's milk is atherogenic. *Atherosclerosis*. 170(1):13–19.
- Tamime, A. Y. 2009. *Milk processing and quality management*.
- Tančin, V., Š. Miklás, M. Čobirka, M. Uhrinčat, and L. Mačuhová. 2020. Factors affecting raw milk quality of dairy cows under practical conditions. *Potravinarstvo Slovak Journal of Food Sciences*. 14:744–2020.
- Tanuwiria, U. H., and R. F. Christi. 2020. Pengaruh pemberian lemlna minor sebagai pakan sapi perah terhadap kadar lemak, berat jenis, dan bahan kering tanpa lemak susu friesian holstein. *Jurnal Ilmu Peternakan Dan Veteriner Tropis*.10:153.
- Tipu, M.S., I. Altaf, M. Ashfaq, and S. Siddique. 2007. Monitoring of chemical adulterants and hygienic status of market milk. Quality Control Laboratory, University of Veterinary and Animal Sciences.



- Triwidayastuti, Y., M. Nizar, H. Harianto, and J. Jusak. 2019. Pengendali suhu pada proses pasteurisasi susu dengan menggunakan metode PID dan metode Fuzzy Sugeno. *Jurnal Teknologi Informasi dan Ilmu Komputer*. 6:355.
- Usmiati S., dan T. Marwati. 2007. Seleksi dan optimasi proses produksi bakteriosin dari Lactobacillus sp. *Jurnal Pascapanen*. 4(1): 27-37.
- Utami. K., E. R. Lilik, and P. Surjowardojo. 2022. Kajian kualitas susu sapi perah PFH (studi kasus pada anggota Koperasi Agro Niaga. *Jurnal Ilmu-Ilmu Peternakan*. 24(2):58–66.
- Villeneuve, M. P., Y. Lebeuf , R. Gervais, G. F. Tremblay, J. C. Vuillemand, J. Fortin, and P. Y. Chouinard. 2013. Milk volatile organic compounds and fatty acid profile in cows fed timothy as hay, pasture, or silage. *Journal of Dairy Science*. 96(11):7181–7194.
- Wanjala, G.W., F. M. Mathooko, P. M. Kutima, and J. M. Mathara. 2017. Microbiological quality and safety of raw and pasteurized milk marketed in and around Nairobi region. *African Journal of Food, Agriculture, Nutrition and Development*. 17(1):11518–11532.
- Wicaksono., A. and M. Sudarwanto. 2016. Prevalensi mastitis subklinis dan evaluasi mikrobiologis susu peternakan rakyat di Boyolali. *Acta Veterinaria Indonesiana*. 4(2): 51-56.
- Widiastuti, R., and Y. Anastasia. 2018. Aflatoxin M1 in fresh dairy milk from small individual farms in Indonesia. *Jurnal Ilmu Ternak Dan Veteriner*. 23:143.
- Widodo., A. V. Rachmawati, R. Chulaila, and I. G. S. Budisatria. 2012. Produksi dan evaluasi kualitas susu bubuk asal kambing peranakan ettawa. *Jurnal Teknologi dan Industri Pangan*. 23(2):132–139.
- Widyasari, R. A. H. E. 2006. Pengaruh pengawetan menggunakan biji picung (Pangium Edule Reinw) terhadap kesegaran dan keamanan ikan kembung segar (Rastrelliger brachysoma Blkr). Tesis. Institut Pertanian Bogor, Bogor.
- Wijiono, F. L., T. A. Kusumastuti, and A. R. S. Putra. 2023. Value chain analysis of fresh dairy milk in Sleman Regency. *IOP Conference Series: Earth and Environmental Science* 1241.
- Wiranti, N., V. Wanniatie, A. Husni, and A. Qisthon. 2022. Kualitas susu sapi segar pada pemerahan pagi dan sore. *Jurnal Riset Dan Inovasi Peternakan*. 6(2):123–128.
- Who, P. Y., K. L. Thong, Y. A. L. Lim, J. M. Behnke, J. W. Lewis, and S. N. Mohd Zain. 2017. Microorganisms as an indicator of hygiene status among migrant food handlers in Peninsular Malaysia. *Asia-Pacific Journal of Public Health*. 29(7):599–607.
- Wulandari, Z., E. Taufik, and M. Syarif. 2017. Kajian kualitas produk susu pasteurisasi hasil penerapan rantai pendingin. *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*. 5(3):94–100.
- Yadav, J., S. Paul, J. K. Y. K. Peter, S. F. M. Ajay Kumar, and H. Masih. 2014. Comparative evaluation of pathogenic bacterial incidence in raw and pasteurized milk. *Int. J. Eng. Sci.* 3(5):11–20.
- Yusdja, Y. 2005. Kebijakan ekonomi industri agribisnis sapi perah di indonesia. 3(3): 257–268.
- Yusuf, M. 2017. Measuring tourist's motivations for consuming local angkringan street food in Yogyakarta, Indonesia. *Journal of Indonesian Tourism and Development Studies*. 5(2):65–72.
- Zagorska, J., and I. Ciprovica. 2013. Evaluation of factors affecting freezing point of milk. *International Journal of Nutrition and Food Engineering*. 7(2):106–



111.

- Zajác, P., J. Čapla, V. Vietoris, S. Zubrická, and J. Čurlej. 2015. Effects of storage on the major constituents of raw milk. *Potravninarstvo*. 9(1):375–381.
- Zajác, P., E. Beňová, R. Židek, J. Čapla, L. Benešová, J. Čurlej, and J. Golian. 2021. Detection of adulteration of traditional Slovak bryndza ewe's cheese with cow's lump cheese by isoelectric focusing of gamma caseins. *International Journal of Food Properties*. 24(1):1034–1060.
- Zebib, H., D. Abate, and A. Z. Woldegiorgis. 2023. Nutritional quality and adulterants of cow raw milk, pasteurized and cottage cheese collected along value chain from three regions of Ethiopia. *Heliyon* 9.
- Zhang, L., S. Boeren, M. Smits, T. van Hooijdonk, J. Vervoort and K. Hettinga. 2016. Proteomic study on the stability of proteins in bovine, camel, and caprine milk sera after processing. *Food Research International*. 82:104–111.
- Zhu, X., C. Jiao, and T. Yuan. 2019. Optimal decisions on product reliability, sales and promotion under nonrenewable warranties. *Reliability Engineering and System Safety* 192.
- Ziyaina, M., B. N. Govindan, B. Rasco, T. Coffey, and S. S. Sablani. 2018. Monitoring shelf life of pasteurized whole milk under refrigerated storage conditions: predictive models for quality loss. *Journal of Food Science*. 83(2):409–418.
- Zurriyati, Y., R. R. Noor, and R. A. A. Maheswari. 2011. Analisis molekuler genotipe kappa kasein ( K -Kasein ) dan komposisi susu kambing peranakan etawah , saanen dan persilangannya. *Jurnal Ilmu Ternak Dan Veteriner*. 16(1):61–70.