

## DAFTAR PUSTAKA

- [1] W. Wisnu, K. Yoyo, N. Adi, A. Sofian, and B. Indah, *Statistical Yearbook of Indonesia 2023*, D. of Statistical Dissemination, Ed. Badan Pusat Statistik Indonesia, 12 2023.
- [2] N. D. Scollan, D. Dannenberger, K. Nuernberg, I. Richardson, S. MacKintosh, J.-F. Hocquette, and A. P. Moloney, “Enhancing the nutritional and health value of beef lipids and their relationship with meat quality,” *Meat Science*, vol. 97, pp. 384–394, 2014, advancing Beef Safety through Research and Innovation: Prosafebeef. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0309174014000606>
- [3] d. K. D. S. P. Perikanan, *Peternakan Dalam Angka 2023*, d. K. D. S. P. Perikanan, Ed. Badan Pusat Statistik, 12 2023, vol. 8.
- [4] S. Al-Dalali, C. Li, and B. Xu, “Effect of frozen storage on the lipid oxidation, protein oxidation, and flavor profile of marinated raw beef meat,” *Food Chemistry*, vol. 376, p. 131881, 2022. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0308814621028879>
- [5] J.-Y. Jeong, G.-D. Kim, H.-S. Yang, and S.-T. Joo, “Effect of freeze–thaw cycles on physicochemical properties and color stability of beef semimembranosus muscle,” *Food Research International*, vol. 44, pp. 3222–3228, 2011. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0963996911005175>
- [6] C. Leygonie, T. J. Britz, and L. C. Hoffman, “Impact of freezing and thawing on the quality of meat: Review,” *Meat Science*, vol. 91, pp. 93–98, 2012. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0309174012000149>
- [7] S. O. J. Crichton, S. M. Kirchner, V. Porley, S. Retz, G. von Gersdorff, O. Hensel, M. Weygandt, and B. Sturm, “Classification of organic beef freshness using vnir hyperspectral imaging,” *Meat Science*, vol. 129, pp. 20–27, 2017. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0309174017301559>
- [8] D. Liu, Y. Ma, S. Yu, and C. Zhang, “Image based beef and lamb slice authentication using convolutional neural networks,” *Meat Science*, vol. 195, p. 108997, 2023. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0309174022002650>
- [9] J. Cheng, J. Sun, K. Yao, M. Xu, and C. Dai, “Multi-task convolutional neural network for simultaneous monitoring of lipid and protein oxidative damage in frozen-thawed pork using hyperspectral imaging,” *Meat Science*, vol. 201, p. 109196, 2023. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S030917402300102X>
- [10] Y. Zhang, M. Zheng, R. Zhu, and R. Ma, “Adulteration discrimination and analysis of fresh and frozen-thawed minced adulterated mutton using hyperspectral images combined with recurrence plot and convolutional neural network,” *Meat Science*, vol. 192, p. 108900, 2022. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0309174022001681>

- [11] H. Pu, J. Yu, D.-W. Sun, Q. Wei, X. Shen, and Z. Wang, "Distinguishing fresh and frozen-thawed beef using hyperspectral imaging technology combined with convolutional neural networks," *Microchemical Journal*, vol. 189, p. 108559, 2023. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0026265X23001777>
- [12] Y. Liu, H. Pu, and D.-W. Sun, "Efficient extraction of deep image features using convolutional neural network (cnn) for applications in detecting and analysing complex food matrices," *Trends in Food Science & Technology*, vol. 113, pp. 193–204, 2021. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0924224421003022>
- [13] E. Susanti, E. N. Cahyo, E. Sutanta, R. Y. Ariyana, and R. A. Kumalasanti, "Beef image classification using the inception v3 transfer learning model," in *2023 IEEE 9th Information Technology International Seminar (ITIS)*, 2023, pp. 1–6.
- [14] I. H. Kartowisastro and J. Latupapua, "A comparison of adaptive moment estimation (adam) and rmsprop optimisation techniques for wildlife animal classification using convolutional neural networks," *Revue d'Intelligence Artificielle*, 2023. [Online]. Available: <https://api.semanticscholar.org/CorpusID:262178568>
- [15] A. Bajpai, H. Rai, and N. Tiwari, *An Efficient CNN-based Method for Classification of Red Meat Based on its Freshness*, 10 2023, pp. 393–405.
- [16] R. Adriman, S. Khairun, and T. M. Dharma, "Locbeef: Beef quality image dataset for deep learning models," 12 2022.
- [17] D. Sanchez, G. Orvañanos, Lara, O. Cisneros, and Ernesto, "Images of fresh and non-fresh beef meat samples," 8 2022.
- [18] X. Zheng, Y. Li, W. Wei, and Y. Peng, "Detection of adulteration with duck meat in minced lamb meat by using visible near-infrared hyperspectral imaging," *Meat Science*, vol. 149, pp. 55–62, 2019. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S030917401830264X>
- [19] M. V. Valueva, N. N. Nagornov, P. A. Lyakhov, G. V. Valuev, and N. I. Chervyakov, "Application of the residue number system to reduce hardware costs of the convolutional neural network implementation," *Mathematics and Computers in Simulation*, vol. 177, pp. 232–243, 2020. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0378475420301580>
- [20] A. van den Oord, S. Dieleman, and B. Schrauwen, "Deep content-based music recommendation," in *Neural Information Processing Systems*, 2013. [Online]. Available: <https://api.semanticscholar.org/CorpusID:7118498>
- [21] R. Collobert and J. Weston, "A unified architecture for natural language processing: deep neural networks with multitask learning," in *International Conference on Machine Learning*, 2008. [Online]. Available: <https://api.semanticscholar.org/CorpusID:2617020>

- [22] K. Fukushima, "Neocognitron: A self-organizing neural network model for a mechanism of pattern recognition unaffected by shift in position," *Biological Cybernetics*, vol. 36, pp. 193–202, 1980. [Online]. Available: <https://api.semanticscholar.org/CorpusID:206775608>
- [23] M. A. Pangestu and H. Bunyamin, "Analisa performa dan pengembangan sistem deteksi ras anjing pada gambar dengan menggunakan pre-trained cnn model," 2018. [Online]. Available: <https://api.semanticscholar.org/CorpusID:70278677>
- [24] Y. Lecun, L. Bottou, Y. Bengio, and P. Haffner, "Gradient-based learning applied to document recognition," *Proceedings of the IEEE*, vol. 86, no. 11, pp. 2278–2324, 1998.
- [25] K. B. Lee, S. Cheon, and C. O. Kim, "A convolutional neural network for fault classification and diagnosis in semiconductor manufacturing processes," *IEEE Transactions on Semiconductor Manufacturing*, vol. 30, no. 2, pp. 135–142, 2017.
- [26] I. Khandokar, M. M. Hasan, F. Ernawan, S. Islam, and M. N. Kabir, "Handwritten character recognition using convolutional neural network," *Journal of Physics: Conference Series*, vol. 1918, 2021. [Online]. Available: <https://api.semanticscholar.org/CorpusID:235434482>
- [27] I. Khandokar, M. Hasan, F. Ernawan, S. Islam, and M. N. Kabir, "Handwritten character recognition using convolutional neural network," *Journal of Physics: Conference Series*, vol. 1918, p. 42152, 6 2021. [Online]. Available: <https://dx.doi.org/10.1088/1742-6596/1918/4/042152>
- [28] M. Elgendy, "Deep learning for vision systems," 2020.
- [29] S. Indolia, A. K. Goswami, S. P. Mishra, and P. Asopa, "Conceptual understanding of convolutional neural network- a deep learning approach," *Procedia Computer Science*, vol. 132, pp. 679–688, 2018, international Conference on Computational Intelligence and Data Science. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S1877050918308019>
- [30] A. W. Saleh, G. Gupta, S. B. Khan, N. A. Alkhalidi, and A. Verma, "An alzheimer's disease classification model using transfer learning densenet with embedded healthcare decision support system," *Decision Analytics Journal*, vol. 9, p. 100348, 2023. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S2772662223001881>
- [31] M. Iman, H. R. Arabnia, and K. Rasheed, "A review of deep transfer learning and recent advancements," *Technologies*, vol. 11, 2023. [Online]. Available: <https://www.mdpi.com/2227-7080/11/2/40>
- [32] P. P. Dalvi, D. R. Edla, and B. R. Purushothama, "Diagnosis of coronavirus disease from chest x-ray images using densenet-169 architecture," *SN Computer Science*, vol. 4, p. 214, 2023. [Online]. Available: <https://doi.org/10.1007/s42979-022-01627-7>
- [33] A. W. Reza, M. Hasan, N. Nowrin, and M. M. A. Shibly, "Pre-trained deep learning models in automatic covid-19 diagnosis," *Indonesian Journal of*

*Electrical Engineering and Computer Science*, vol. 22, 2021. [Online]. Available: <https://api.semanticscholar.org/CorpusID:237380371>

- [34] Y. Li, J. Zhao, Z. Lv, and J. Li, "Medical image fusion method by deep learning," *International Journal of Cognitive Computing in Engineering*, vol. 2, pp. 21–29, 2021. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S2666307420300280>
- [35] M. A. Morid, A. Borjali, and G. D. Fiol, "A scoping review of transfer learning research on medical image analysis using imagenet," *Computers in Biology and Medicine*, vol. 128, p. 104115, 2021. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0010482520304467>
- [36] Z. Karimi, "Confusion matrix," 2021. [Online]. Available: [https://www.researchgate.net/publication/355096788\\_Confusion\\_Matrix](https://www.researchgate.net/publication/355096788_Confusion_Matrix)
- [37] L. Perez and J. Wang, "The effectiveness of data augmentation in image classification using deep learning," *CoRR*, vol. abs/1712.04621, 2017. [Online]. Available: <http://arxiv.org/abs/1712.04621>
- [38] A. Kalidindi, P. L. Kompalli, S. Bandi, and S. R. R. Anugu, "Ct image classification of human brain using deep learning," *International Journal of Online and Biomedical Engineering (iJOE)*, vol. 17, pp. pp. 51–62, 1 2021. [Online]. Available: <https://online-journals.org/index.php/i-joe/article/view/18565>
- [39] A. K. Sah, S. Bhusal, S. Amatya, M. Mainali, and S. Shakya, "Dermatological diseases classification using image processing and deep neural network," in *2019 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)*, 2019, pp. 381–386.
- [40] S. N. M. Rum and F. A. Z. Nawawi, "Fishdetec: A fish identification application using image recognition approach," *International Journal of Advanced Computer Science and Applications*, vol. 12, no. 3, 2021. [Online]. Available: <http://dx.doi.org/10.14569/IJACSA.2021.0120312>
- [41] F. Chollet, "Building powerful image classification models using very little data," 6 2016.
- [42] P. M. de Sousa, P. C. Carneiro, M. M. Oliveira, G. M. Pereira, C. A. da Costa Junior, L. V. de Moura, C. Mattjie, A. M. M. da Silva, and A. C. Patrocinio, "Covid-19 classification in x-ray chest images using a new convolutional neural network: Cnn-covid," *Research on Biomedical Engineering*, vol. 38, pp. 87–97, 3 2022.
- [43] C. Szegedy, W. Liu, Y. Jia, P. Sermanet, S. Reed, D. Anguelov, D. Erhan, V. Vanhoucke, and A. Rabinovich, "Going deeper with convolutions," in *2015 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2015, pp. 1–9.
- [44] O. Ulucan, D. Karakaya, and M. Turkan, "Meat quality assessment based on deep learning," in *2019 Innovations in Intelligent Systems and Applications Conference (ASYU)*. IEEE, 2019, pp. 1–5.