

DAFTAR PUSTAKA

- Alkautsar, M., Hidayat, B. and Darana, S. (2016) 'Estimasi Berat Karkas Sapi Berdasarkan Segmentasi K-Means Clustering Dengan Menggunakan Metode Klasifikasi Support Vector Machine Multiclass', *e-Proceeding of Engineering*, 3.
- Alvarez, J. R. *et al.* (2019) 'Estimating Body Condition Score in Dairy Cows From Depth Images Using Convolutional Neural Networks, Transfer Learning and Model Ensembling Techniques', *Agronomy*. MDPI AG, 9(2), p. 90. doi: 10.3390/agronomy9020090.
- Amanda, R., Yasin, H. and Prahutama, A. (2014) 'Analisis Support Vector Regression (SVR) Dalam Memprediksi Kurs Rupiah Terhadap Dollar Amerika Serikat', *JURNAL GAUSSIAN*, Volume 3, pp. 849–857.
- Amraei, S., Abdanan Mehdizadeh, S. and Salari, S. (2017) 'Broiler weight estimation based on machine vision and artificial neural network', *British Poultry Science*. Taylor and Francis Ltd., 58(2), pp. 200–205. doi: 10.1080/00071668.2016.1259530.
- Anantharaman, R., Velazquez, M. and Lee, Y. (2019) 'Utilizing Mask R-CNN for Detection and Segmentation of Oral Diseases', in *Proceedings - 2018 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2018*. Institute of Electrical and Electronics Engineers Inc., pp. 2197–2204. doi: 10.1109/BIBM.2018.8621112.
- Andono, P. N. and Sutojo, T. (2017) *Pengolahan citra digital*. Yogyakarta, Indonesia: Penerbit Andi.
- Awad, M. *et al.* (2015) 'Support Vector Regression', in *Efficient Learning Machines*. Apress, pp. 67–80. doi: 10.1007/978-1-4302-5990-9_4.
- Badrinarayanan, V., Kendall, A. and Cipolla, R. (2017) 'SegNet: A Deep Convolutional Encoder-Decoder Architecture for Image Segmentation', *IEEE Transactions on Pattern Analysis and Machine Intelligence*. IEEE Computer Society, 39(12), pp. 2481–2495. doi: 10.1109/TPAMI.2016.2644615.

- Baldi, P. and Sadowski, P. (2014) 'The dropout learning algorithm', *Artificial Intelligence*. Elsevier, 210(1), pp. 78–122. doi: 10.1016/j.artint.2014.02.004.
- Bhatt, C. *et al.* (2018) 'Barqi Breed Sheep Weight Estimation based on Neural Network with Regression'. Available at: <http://arxiv.org/abs/1807.10568> (Accessed: 13 March 2020).
- Botchkarev, A. (2018) 'Performance Metrics (Error Measures) in Machine Learning Regression, Forecasting and Prognostics: Properties and Typology', *Interdisciplinary Journal of Information, Knowledge, and Management*. Informing Science Institute, 14, pp. 45–76. doi: 10.28945/4184.
- BPS (2018) *Distribusi Perdagangan Komoditas Daging Sapi di Indonesia 2018*. Jakarta: Badan Pusat Statistik RI.
- Chollet, F. (2017) 'Xception: Deep learning with depthwise separable convolutions', in *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*. Institute of Electrical and Electronics Engineers Inc., pp. 1800–1807. doi: 10.1109/CVPR.2017.195.
- Firhansha, A. A. (2019) *Estimasi Berat Sapi Berbasis Pengolahan Citra Digital, Skripsi*. Universitas Gadjah Mada.
- Girshick, R. *et al.* (2014) 'Rich feature hierarchies for accurate object detection and semantic segmentation', in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. IEEE Computer Society, pp. 580–587. doi: 10.1109/CVPR.2014.81.
- Girshick, R. (2015) 'Fast R-CNN'. Available at: <http://arxiv.org/abs/1504.08083> (Accessed: 27 December 2020).
- Gonzales, R. C. and Woods, R. E. (2002) *Digital Image Processing*. Second Edi. New Jersey: Prentice Hall.
- Goodfellow, I., Bengio, Y. and Courville, A. (2016) *Deep Learning*. MIT Press.
- Harjoseputro, Y. (2018) 'Convolutional Neural Network (CNN) untuk Pengklasifikasi Aksara Jawa', *Laporan Penelitian Internal Perorangan Universitas Atma Jaya Yogyakarta*. Yogyakarta, Indonesia.
- He, K. *et al.* (2016) 'Deep residual learning for image recognition', in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern*

- Recognition*. IEEE Computer Society, pp. 770–778. doi: 10.1109/CVPR.2016.90.
- He, K. *et al.* (2020) ‘Mask R-CNN’, *IEEE Transactions on Pattern Analysis and Machine Intelligence*. IEEE Computer Society, 42(2), pp. 386–397. doi: 10.1109/TPAMI.2018.2844175.
- Herawati, D. and Krdian, A. R. (2018) ‘Analisis Deteksi Tepi Pada Citra Digital Berbasis JPG Dengan Operator Canny Menggunakan Matrix Laboratory’, *Jurnal Ilmiah KOMPUTASI*, 13(3).
- Hu, F. *et al.* (2015) ‘Transferring Deep Convolutional Neural Networks for the Scene Classification of High-Resolution Remote Sensing Imagery’, *Remote Sensing*. MDPI AG, 7(11), pp. 14680–14707. doi: 10.3390/rs71114680.
- Katole, A. L. *et al.* (2015) ‘Hierarchical Deep Learning Architecture For 10K Objects Classification’. Academy and Industry Research Collaboration Center (AIRCC), pp. 77–93. doi: 10.5121/csit.2015.51408.
- Kumari, K. and Yadav, S. (2018) ‘Linear regression analysis study’, *Journal of the Practice of Cardiovascular Sciences*. Medknow, 4(1), p. 33. doi: 10.4103/jpcs.jpcs_8_18.
- Long, J., Shelhamer, E. and Darrell, T. (2015) ‘Fully convolutional networks for semantic segmentation’, in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. IEEE Computer Society, pp. 3431–3440. doi: 10.1109/CVPR.2015.7298965.
- Maggiori, E. *et al.* (2017) ‘Convolutional Neural Networks for Large-Scale Remote-Sensing Image Classification’, *IEEE Transactions on Geoscience and Remote Sensing*. Institute of Electrical and Electronics Engineers Inc., 55(2), pp. 645–657. doi: 10.1109/TGRS.2016.2612821.
- Nahari, R. V. *et al.* (2018) ‘Cow Weight Estimation Using Local Adaptive Thresholding Method And Connected Component Labelling’, in. Atlantis Press. doi: 10.2991/icst-18.2018.32.
- Nguyen, L. D. *et al.* (2018) ‘Deep CNNs for microscopic image classification by exploiting transfer learning and feature concatenation’, in *Proceedings - IEEE International Symposium on Circuits and Systems*. Institute of

- Electrical and Electronics Engineers Inc. doi: 10.1109/ISCAS.2018.8351550.
- Parker, J, R. (2011) *Algorithms for Image Processing and Computer Vision*. Second Edi. Indiana: Wiley Publishing.
- Pathak, S., Mishra, I. and Swetapadma, A. (2018) ‘An Assessment of Decision Tree based Classification and Regression Algorithms’, in *Proceedings of the 3rd International Conference on Inventive Computation Technologies, ICICT 2018*. Institute of Electrical and Electronics Engineers Inc., pp. 92–95. doi: 10.1109/ICICT43934.2018.9034296.
- Pezzuolo, A. *et al.* (2018) ‘On-barn pig weight estimation based on body measurements by structure-from-motion (SfM)’, *Sensors (Switzerland)*. MDPI AG, 18(11). doi: 10.3390/s18113603.
- Rosebrock, A. (2018) *Deep Learning for Computer Vision with Python*. ImageNet B. pyimagesearch.
- Ruder, S. (2016) ‘An overview of gradient descent optimization algorithms’. Available at: <http://arxiv.org/abs/1609.04747> (Accessed: 27 December 2020).
- Sandler, M. *et al.* (2018) ‘MobileNetV2: Inverted Residuals and Linear Bottlenecks’, *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. IEEE Computer Society, pp. 4510–4520. Available at: <http://arxiv.org/abs/1801.04381> (Accessed: 15 December 2020).
- Sholihah, N. (2018) *Fully-Connected Layer CNN dan Implementasinya – Universitas Gadjah Mada Menara Ilmu Machine Learning, Menara Ilmu Machine Learning UGM*. Available at: <https://machinelearning.mipa.ugm.ac.id/2018/06/25/fully-connected-layer-cnn-dan-implementasinya/> (Accessed: 27 January 2021).
- Shorten, C. and Khoshgoftaar, T. M. (2019) ‘A survey on Image Data Augmentation for Deep Learning’, *Journal of Big Data*. SpringerOpen, 6(1), p. 60. doi: 10.1186/s40537-019-0197-0.
- Da Silva, N. B. and Gonçalves, W. N. (2019) ‘Regression in Convolutional Neural Networks applied to Plant Leaf Counting’, in *Anais do Workshop de Visão*

- Computacional (WVC)*. Sociedade Brasileira de Computacao - SB, pp. 49–54. doi: 10.5753/wvc.2019.7627.
- Singh, S. A. and Majumder, S. (2020) ‘Short and noisy electrocardiogram classification based on deep learning’, in *Deep Learning for Data Analytics*. Elsevier, pp. 1–19. doi: 10.1016/b978-0-12-819764-6.00002-8.
- Singh, S. A., Meitei, T. G. and Majumder, S. (2020) ‘Short PCG classification based on deep learning’, in *Deep Learning Techniques for Biomedical and Health Informatics*. Elsevier Inc., pp. 141–164. doi: 10.1016/B978-0-12-819061-6.00006-9.
- Sunthornjittanon, S. (2015) *Linear Regression Analysis on Net Income of an Agrochemical Company in Thailand, University Honors Theses*. Portland, OR. doi: 10.15760/honors.137.
- Susanti, Y., Priyarsono, D. S. and Mulatsih, S. (2017) ‘Pengembangan Peternakan Sapi Potong untuk Peningkatan Perekonomian Provinsi Jawa Tengah: Suatu Pendekatan Perencanaan Wilayah’, *Jurnal Agribisnis Indonesia*. Institut Pertanian Bogor, 2(2), p. 177. doi: 10.29244/jai.2014.2.2.177-190.
- Suwannakhun, S. and Daungmala, P. (2018) ‘Estimating Pig Weight with Digital Image Processing using Deep Learning’, in *Proceedings - 14th International Conference on Signal Image Technology and Internet Based Systems, SITIS 2018*. Institute of Electrical and Electronics Engineers Inc., pp. 320–326. doi: 10.1109/SITIS.2018.00056.
- Szegedy, C. *et al.* (2015) ‘Going deeper with convolutions’, in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. IEEE Computer Society, pp. 1–9. doi: 10.1109/CVPR.2015.7298594.
- Szegedy, C. *et al.* (2017) ‘Inception-v4, inception-ResNet and the impact of residual connections on learning’, in *31st AAAI Conference on Artificial Intelligence, AAAI 2017*. AAAI press, pp. 4278–4284. Available at: <https://arxiv.org/abs/1602.07261v2> (Accessed: 15 December 2020).
- VanderPlas, J. (2016) *Python Data Science Handbook Essential Tools for Working with Data*. O’Reilly Media.



- Xie, S. *et al.* (2017) 'Aggregated residual transformations for deep neural networks', in *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*. Institute of Electrical and Electronics Engineers Inc., pp. 5987–5995. doi: 10.1109/CVPR.2017.634.
- Yamashita, A. *et al.* (2017) 'Estimation of Calf Weight from Fixed-Point Stereo Camera Images Using Three-Dimensional Successive Cylindrical Model', in. Institute of Industrial Applications Engineers, pp. 247–254. doi: 10.12792/icisip2017.046.