

DAFTAR PUSTAKA

- [1] E. Emilia, "Pengetahuan, Sikap Dan Praktek Gizi Pada Remaja Dan Implikasinya Pada Sosialisasi Perilaku Hidup Sehat," *Media Pendidikan, Gizi dan Kuliner*, vol. 1, no. 1, pp. 1–9, 2009.
- [2] E. A. H. Akpa, H. Suwa, Y. Arakawa, and K. Yasumoto, "Smartphone-Based Food Weight and Calorie Estimation Method for Effective Food Journaling," *SICE Journal of Control, Measurement, and System Integration*, vol. 10, no. 5, pp. 360–369, 2017.
- [3] F. Cordeiro, D. A. Epstein, E. Thomaz, E. Bales, A. K. Jagannathan, G. D. Abowd, and J. Fogarty, "Barriers and Negative Nudges," *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems - CHI '15*, pp. 1159–1162, 2015.
- [4] W. Zhang, Q. Yu, B. Siddiquie, A. Divakaran, and H. S. Sawhney, "'snap-n-Eat': Food recognition and nutrition estimation on a smartphone," *Journal of Diabetes Science and Technology*, vol. 9, no. 3, pp. 525–533, 2015.
- [5] Y. Kawano and K. Yanai, "FoodCam: A real-time mobile food recognition system employing Fisher Vector," *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, vol. 8326 LNCS, no. PART 2, pp. 369–373, 2014.
- [6] D. Ravi, B. Lo, and G. Z. Yang, "Real-time food intake classification and energy expenditure estimation on a mobile device," *2015 IEEE 12th International Conference on Wearable and Implantable Body Sensor Networks, BSN 2015*, 2015.
- [7] B. V. Resende Silva and J. Cui, "A Survey on Automated Food Monitoring and Dietary Management Systems," *Journal of Health & Medical Informatics*, vol. 08, no. 03, 2017.
- [8] Y. Lu, "Food image recognition by using convolutional neural networks (cnns)," *CoRR*, vol. abs/1612.00983, 2016.

- [9] A. Krizhevsky, I. Sutskever, and G. E. Hinton, "ImageNet Classification with Deep Convolutional Neural Networks," *Advances in Neural Information Processing Systems 25 (NIPS2012)*, pp. 1–9, 2012.
- [10] G. Ciocca, P. Napoletano, and R. Schettini, "Food Recognition: A New Dataset, Experiments, and Results," *IEEE Journal of Biomedical and Health Informatics*, vol. 21, no. 3, pp. 588–598, 2017.
- [11] S. J. Pan and Q. Yang, "A survey on transfer learning," *IEEE Trans. on Knowl. and Data Eng.*, vol. 22, no. 10, pp. 1345–1359, Oct. 2010.
- [12] J. Donahue, "Transferrable representations for visual recognition," Ph.D. dissertation, EECS Department, University of California, Berkeley, May 2017.
- [13] X. Li, T. Pang, B. Xiong, W. Liu, P. Liang, and T. Wang, "Convolutional neural networks based transfer learning for diabetic retinopathy fundus image classification," in *2017 10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI)*, Oct 2017, pp. 1–11.
- [14] P. Temdee and S. Uttama, "Food recognition on smartphone using transfer learning of convolution neural network," in *2017 Global Wireless Summit (GWS)*, Oct 2017, pp. 132–135.
- [15] C. Szegedy, W. Liu, Y. Jia, P. Sermanet, S. E. Reed, D. Anguelov, D. Erhan, V. Vanhoucke, and A. Rabinovich, "Going deeper with convolutions," *CoRR*, vol. abs/1409.4842, 2014.
- [16] F. N. Iandola, M. W. Moskewicz, K. Ashraf, S. Han, W. J. Dally, and K. Keutzer, "Squeezenet: Alexnet-level accuracy with 50x fewer parameters and <1mb model size," *CoRR*, vol. abs/1602.07360, 2016.
- [17] F. E. Thompson and A. F. Subar, *Dietary Assessment Methodology*. MD, United States: Bethesda, 2017, vol. 2.
- [18] O. Beijbom, N. Joshi, D. Morris, S. Saponas, and S. Khullar, "Menu-match: Restaurant-specific food logging from images," *Proceedings - 2015 IEEE Winter Conference on Applications of Computer Vision, WACV 2015*, pp. 844–851, 2015.

- [19] M. M. Anthimopoulos, L. Gianola, L. Scarnato, P. Diem, and S. G. Mougiakakou, "A food recognition system for diabetic patients based on an optimized bag of features model," *IEEE journal of biomedical and health informatics*, vol. 18, no. 4, pp. 1261–1271, 2014.
- [20] M.-Y. Chen, Y.-H. Yang, C.-J. Ho, S.-H. Wang, S.-M. Liu, E. Chang, C.-H. Yeh, and M. Ouhyoung, "Automatic chinese food identification and quantity estimation," in *SIGGRAPH Asia 2012 Technical Briefs*, ser. SA '12. New York, NY, USA: ACM, 2012, pp. 29:1–29:4.
- [21] A. Krizhevsky, I. Sutskever, and G. E. Hinton, "Imagenet classification with deep convolutional neural networks," in *Advances in Neural Information Processing Systems 25*. Curran Associates, Inc., 2012, pp. 1097–1105.
- [22] R. P. Prasetya and F. A. Bachtiar, "Indonesian Food Items Labeling for Tourism Information Using Convolutional Neural Network," *2nd International Conference On Sustainable Information Engineering and Technology (SIET) 2017*, 2017.
- [23] G. Seif, "Deep learning vs classical machine learning," 2018, [Online]. Available: <https://towardsdatascience.com/deep-learning-vs-classical-machine-learning-9a42c6d48aa> [Accessed: Mei 22, 2018].
- [24] I. Goodfellow, Y. Bengio, and A. Courville, "Deep Learning," *MIT Press*, vol. 521, no. 7553, p. 785, 2017.
- [25] B. Rohrer, "How Convolutional Neural Networks Work," 2016, [Online]. Available: http://brohrer.github.io/how_convolutional_neural_networks_work.html [Accessed: Mei 10, 2018].
- [26] C. Liu, Y. Cao, Y. Luo, G. Chen, V. Vokkarane, and Y. Ma, "Deepfood: Deep learning-based food image recognition for computer-aided dietary assessment," *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, vol. 9677, pp. 37–48, 2016.
- [27] A. Sharma, "Understanding activation functions in neural networks," 2017, [Online]. Available: <https://medium.com/the-theory-of->

everything/understanding-activation-functions-in-neural-networks-9491262884e0 [Accessed: Mei 14, 2018].

- [28] J. Qiu, J. Wang, S. Yao, K. Guo, B. Li, E. Zhou, J. Yu, T. Tang, N. Xu, S. Song, Y. Wang, and H. Yang, "Going Deeper with Embedded FPGA Platform for Convolutional Neural Network," *Proceedings of the 2016 ACM/SIGDA International Symposium on Field-Programmable Gate Arrays - FPGA '16*, pp. 26–35, 2016.
- [29] K. He and J. Sun, "Convolutional neural networks at constrained time cost," *CoRR*, vol. abs/1412.1710, 2014.
- [30] K. He, X. Zhang, S. Ren, and J. Sun, "Deep Residual Learning for Image Recognition," *2016 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pp. 770–778, 2016.
- [31] A. Geitgey, "Machine learning is fun!" 2014, [Online]. Available: <https://medium.com/@ageitgey/machine-learning-is-fun-80ea3ec3c471> [Accessed: Mei 14, 2018].
- [32] T. M. Mitchell, *Machine Learning*, 1st ed. New York, NY, USA: McGraw-Hill, Inc., 1997.
- [33] D. Sarkar, R. Bali, and T. Sharma, *Practical Machine Learning with Python*. India: Apress, 2018.
- [34] I. Goodfellow, Y. Bengio, and A. Courville, "Machine Learning Basics," *Intelligent Sensor Networks The Integration of Sensor Networks, Signal Processing and Machine Learning*, pp. 3–29, 2012.
- [35] Apple, "Turi create," 2018, [Online]. Available: <https://github.com/apple/turicreate> [Accessed: Mei 09, 2018].
- [36] M. Hollemans, "Apple deep learning bnns versus metal cnn," 2017, [Online]. Available: <http://machinethink.net/blog/apple-deep-learning-bnns-versus-metal-cnn/> [Accessed: Mei 10, 2018].
- [37] Apple, "Framework core machine learning," 2017, [Online]. Available: <https://developer.apple.com/documentation/coreml> [Accessed: Mei 09, 2018].

- [38] M. Hollemans, “Peek inside core machine learning,” 2017, [Online]. Available: <http://machinethink.net/blog/peek-inside-coreml/> [Accessed: Mei 09, 2018].
- [39] R. Prasad, “Fun with coreml in techbrust.io,” 2017, [Online]. Available: <https://techburst.io/fun-with-coreml-partie-un-part-1-c1bf950defa9> [Accessed: Mei 10, 2018].
- [40] L. Moroney, *The Definitive Guide to Firebase: Build Android Apps on Google’s Mobile Platform*. Seattle, Washington, USA: Apress.
- [41] Apple, “What’s new in xcode 9,” 2018, [Online]. Available: <https://developer.apple.com/xcode/> [Accessed: Mei 10, 2018].
- [42] Apple, *The Swift Programming Language*. CA, United States: Apple, 2014.
- [43] R. A. Development, W. Do, Y. Need, T. History, and E. Aspects, “What is Rapid Application Development?” *Thesis*, pp. 1–34, 2000.
- [44] L. Nguyen and K. Nguyen, “Application of Protocol-Oriented MVVM Architecture in iOS Development,” no. April, 2017.