

## DAFTAR PUSTAKA

- Abdelbasir, S. M., El-Sheltawy, C. T. and Abdo, D. M. (2018) ‘Green Processes for Electronic Waste Recycling: A Review’, *Journal of Sustainable Metallurgy*, 4(2), pp. 295–311. doi: 10.1007/s40831-018-0175-3.
- Alzubaidi, L., Zhang, J., Humaidi, A., Al-Dujaili, A., Duan, Y., Al-Shamma, O., Santamaría, J., Fadhel, M., Al-Amidie, and M., Farhan, L. (2021) *Review of deep learning: concepts, CNN architectures, challenges, applications, future directions*, *Journal of Big Data*. Springer International Publishing. doi: 10.1186/s40537-021-00444-8.
- Ariyani, S. F., Putra, H. P. and Kasam (2018) ‘Evaluasi Pengelolaan Sampah di TPA Piyungan, Kabupaten Bantul’, *DSpace UII*, 1(1), pp. 1–17. Available at: <https://media.neliti.com/media/publications/142475-ID-estimasi-sebaran-dan-analisis-risiko-tsp.pdf>.
- Baker, N., Szabo-Müller, P. and Handmann, U. (2018) ‘Transfer learning-based method for automated e-waste recycling in smart cities’, *EAI Endorsed Transactions on Smart Cities*, 5(16), p. 169337. doi: 10.4108/eai.16-4-2021.169337.
- Balde, C. P., Forti, V., Gray, V., Kuehr, R., and Stegmann, P. (2017) *The global e-waste monitor 2017*, *United Nations University*. doi: 10.1016/j.proci.2014.05.148.
- Bhatt, D., Patel, C., Talsania, H., Patel, J., Vaghela, R., Pandya, S., Modi, K., and Ghayvat, H. (2021) ‘Cnn variants for computer vision: History, architecture, application, challenges and future scope’, *Electronics (Switzerland)*, 10(20), pp. 1–28. doi: 10.3390/electronics10202470.
- Bircanoglu, C., Atay, M., Beser, F., Genc, O., and Kizrak, M. (2018) ‘RecycleNet: Intelligent Waste Sorting Using Deep Neural Networks’, *2018 IEEE (SMC) International Conference on Innovations in Intelligent Systems and Applications, INISTA 2018*. doi: 10.1109/INISTA.2018.8466276.

- Bobulski, J. and Kubanek, M. (2021) ‘Deep Learning for Plastic Waste Classification System’, *Applied Computational Intelligence and Soft Computing*, 2021. doi: 10.1155/2021/6626948.
- Chazhoor, A. A. P., Edmond, H., Gao, B., and Woo, W. (2022) ‘Deep transfer learning benchmark for plastic waste classification’, *Intelligence & Robotics*, pp. 1–19. doi: 10.20517/ir.2021.15.
- Cruvinel, V., Marques, C., Cardoso, V., Novaes, M., Araújo, W., Angulo-Tuesta, A., Escalda, P., Galato, D., Brito, P., and Da Silva, E. (2019) ‘Health conditions and occupational risks in a novel group: Waste pickers in the largest open garbage dump in Latin America’, *BMC Public Health*, 19(1), pp. 1–15. doi: 10.1186/s12889-019-6879-x.
- Damayanti, D., Saputri, D., David, S., Yusupandi, F., Sanjaya, A., Simbolon, Y., Asmarani, W., Ulfa, M., and Wu, H.. (2022) ‘Current Prospects for Plastic Waste Treatment’, *Polymers*, 14(15). doi: 10.3390/polym14153133.
- Enri, D., Handoko, W. and Padmi, T. (2014) ‘Municipal Solid Waste Management in Indonesia’, *Municipal Solid Waste Management in Asia and the Pacific Islands. Environmental Science and Engineering. Springer, Singapore*. doi: 10.1007/978-981-4451-73-4.
- Faraca, G., Boldrin, A. and Astrup, T. (2019) ‘Resource quality of wood waste: The importance of physical and chemical impurities in wood waste for recycling’, *Waste Management*, 87, pp. 135–147. doi: 10.1016/j.wasman.2019.02.005.
- Ghosh, A., Sufian, A., Sultana, F., Chakrabarti, A., De, De., (2019) *Fundamental concepts of convolutional neural network, Intelligent Systems Reference Library*. doi: 10.1007/978-3-030-32644-9\_36.
- Hanbal, I. F., Ingosan, J., Oyam, N., and Hu, Y. (2020) ‘Classifying Wastes Using Random Forests, Gaussian Naïve Bayes, Support Vector Machine and Multilayer Perceptron’, *IOP Conference Series: Materials Science and Engineering*, 803(1). doi: 10.1088/1757-899X/803/1/012017.
- Hidayat, Y. A., Kiranamahsa, S. and Zamal, M. A. (2019) ‘A study of plastic waste

- management effectiveness in Indonesia industries’, *AIMS Energy*, 7(3), pp. 350–370. doi: 10.3934/ENERGY.2019.3.350.
- Huang, G., Liu, Z., Van der Mateen, L., and Weinberger, K. (2016) ‘Densely Connected Convolutional Networks’, *Computer Vision Foundation*, 39(9), pp. 1442–1446.
- Huynh, M. H., Pham-Hoai, P., Tran, A., and Nguyen, T. (2020) ‘Automated Waste Sorting Using Convolutional Neural Network’, *Proceedings - 2020 7th NAFOSTED Conference on Information and Computer Science, NICS 2020*, pp. 102–107. doi: 10.1109/NICS51282.2020.9335897.
- Karthikeyan, S., Sivakumar, M., Jeysiva, A., and Maheshkumar, C. (2021) ‘Application of Deep Learning for Solid Waste Trash Classification using Deep CNN’, pp. 126–131.
- Kawai, K. and Tasaki, T. (2016) ‘Revisiting estimates of municipal solid waste generation per capita and their reliability’, *Journal of Material Cycles and Waste Management*, 18(1), pp. 1–13. doi: 10.1007/s10163-015-0355-1.
- Khan, S., Rahmani, H., Shah, S., and Bennamoun, M. (2018) *A Guide to Convolutional Neural Networks for Computer Vision, Synthesis Lectures on Computer Vision*. doi: 10.2200/s00822ed1v01y201712cov015.
- Limsila, T., Sirimangkalalo, A., Chuengwutigool, W., and Feng, W. (2023) ‘Computer-vision-powered Automatic Waste Sorting Bin : a Machine Learning-based Solution on Waste Management’, *Journal of Physics: Conference Series*. doi: 10.1088/1742-6596/2550/1/012030.
- Liu, C., Sharan, L. and Rosenholtz, R. (2010) ‘Exploring features in a Bayesian’, pp. 239–246.
- Majchrowska, S., Mikołajczyk, A., Ferlin, M., Klawikowska, Z., Plantykowski, M., Kwasigroch, A., and Majek, K. (2022) ‘Deep learning-based waste detection in natural and urban environments’, *Waste Management*, 138(June 2021), pp. 274–284. doi: 10.1016/j.wasman.2021.12.001.
- Mao, W. L., Chen, W., Wang, C., and Lin, Y. (2021) ‘Recycling waste classification

- using optimized convolutional neural network’, *Resources, Conservation and Recycling*, 164(August 2020), p. 105132. doi: 10.1016/j.resconrec.2020.105132.
- Mohammed, M. A., Abdulhasan, M., Kumar, N., Abdulkareem, K., Mostafa, S., Maashi, M., Khalid, L., Abdulaali, H., and Chopra, S. (2022) ‘Automated waste-sorting and recycling classification using artificial neural network and features fusion: a digital-enabled circular economy vision for smart cities’, *Multimedia Tools and Applications*, (0123456789). doi: 10.1007/s11042-021-11537-0.
- Moocarme, M., Abdolahnejad, M. and Bhagwat, R. (2020) *The Deep Learning with Keras Workshop*. Available at: <https://www.packtpub.com/big-data-and-business-intelligence/deep-learning-keras>.
- Murphy, J. (2016) ‘An Overview of Convolutional Neural Network Architectures for Deep Learning’, *Microway Inc*, pp. 1–22.
- O’Shea, K. and Nash, R. (2015) ‘An Introduction to Convolutional Neural Networks’, *International Journal for Research in Applied Science and Engineering Technology*, 10(12), pp. 943–947. doi: 10.22214/ijraset.2022.47789.
- Patrizi, A., Gambosi, G. and Zanzotto, F. M. (2021) ‘Data augmentation using background replacement for automated sorting of littered waste’, *Journal of Imaging*, 7(8). doi: 10.3390/jimaging7080144.
- Peng, H., Shen, N., Ying, H., and Wang, Q. (2021) ‘Factor analysis and policy simulation of domestic waste classification behavior based on a multiagent study—Taking Shanghai’s garbage classification as an example’, *Environmental Impact Assessment Review*, 89(October 2020). doi: 10.1016/j.eiar.2021.106598.
- Sabarinah, Z. (2017) ‘The Importance of Waste Management Knowledge to Encourage Household Waste-Sorting Behaviour in Indonesia’, *International Journal of Waste Resources*, 07(04). doi: 10.4172/2252-5211.1000309.

- Sandin, G. and Peters, G. M. (2018) ‘Environmental impact of textile reuse and recycling – A review’, *Journal of Cleaner Production*, 184, pp. 353–365. doi: 10.1016/j.jclepro.2018.02.266.
- Sandler, M., Howard, A., Zhu, M., and Zhmoginov, A. (2018) ‘MobileNetV2: Inverted Residuals and Linear Bottlenecks Mark’, *arXiv*, pp. 4510–4520.
- Santoso, S., Zagloel, T., Yuri M., Ardi, R., and Suzianti, A. (2019) ‘Estimating the Amount of Electronic Waste Generated in Indonesia: Population Balance Model’, *IOP Conference Series: Earth and Environmental Science*, 219(1). doi: 10.1088/1755-1315/219/1/012006.
- Setiawan, R. P. (2020) ‘Factors determining the public receptivity regarding waste sorting: A case study in Surabaya city, Indonesia’, *Sustainable Environment Research*, 30(1), pp. 1–8. doi: 10.1186/s42834-019-0042-3.
- Shah, J. and Kamat, S. (2022) ‘A Method for Waste Segregation usinga Convolutional Neural Networks’, *2022 2nd International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies, ICAECT 2022*. doi: 10.1109/ICAECT54875.2022.9807969.
- Shamkhalichenar, H., Bueche, C. J. and Choi, J. W. (2020) ‘Printed Circuit Board (PCB) Technology for Electrochemical Sensors and Sensing Platforms’, *Biosensors*, 10(11). doi: 10.3390/bios10110159.
- Sornapudi, S., Stanley, R., Stoecker, W., Al mubarak, H., Long, R., Antani, S., Thoma, G., Zuna, R., and Frazier, S. (2018) ‘Deep Learning Nuclei Detection in Digitized Histology Images by Superpixels’, *Journal of Pathology Informatics*. doi: 10.4103/jpi.jpi.
- Wang, T., Chen, Y., Qiao, M., and Snoussi, H. (2018) ‘A fast and robust convolutional neural network-based defect detection model in product quality control’, *International Journal of Advanced Manufacturing Technology*, 94(9–12), pp. 3465–3471. doi: 10.1007/s00170-017-0882-0.
- Wu, J. (2017) ‘Introduction to Convolutional Neural Networks’, *Introduction to Convolutional Neural Networks*, pp. 1–31. Available at:

[https://web.archive.org/web/20180928011532/https://cs.nju.edu.cn/wujx/teaching/15\\_CNN.pdf](https://web.archive.org/web/20180928011532/https://cs.nju.edu.cn/wujx/teaching/15_CNN.pdf).

- Yang, M. and Thung, G. (2016) ‘Classification of Trash for Recyclability Status’, *Project Report CS229*, 2016, pp. 940–945.
- Yujie He, Qinyue Gu and Maguo Shi (2020) ‘Trash Classification Using Convolutional Neural Networks Project Category: Computer Vision’, *CS230: Deep Learning*.
- Zhang, Q., Yang, Q., Zhang, X., Bao, Q., Su, J., and Liu, X. (2021) ‘Waste image classification based on transfer learning and convolutional neural network’, *Waste Management*, 135(August), pp. 150–157. doi: 10.1016/j.wasman.2021.08.038.
- Ziouzios, D., Tsiktsiris, D., Baras, N., and Dasygenis, M. (2020) ‘A Distributed Architecture for Smart Recycling Using Machine Learning’, *Future Internet*, 12(9). doi: 10.3390/FI12090141.