

## DAFTAR PUSTAKA

---

- [1] R. W. Barbee and P. V. Turner, "Incorporating Laboratory Animal Science into Responsible Biomedical Research," *ILAR Journal*, vol. 60, no. 1. Oxford University Press, pp. 9–16, Dec. 31, 2019. doi: 10.1093/ilar/ilz017.
- [2] RI-MUHC, "LABORATORY ANIMAL BIOMETHODOLOGY WORKSHOP Introduction to the Laboratory Hamster," 2020.
- [3] Kranti, "Use of Laboratory Animals in Biomedical Research," 2019.
- [4] S. Dutta and P. Sengupta, "Age of laboratory hamster and human: Drawing the connexion," *Biomedical and Pharmacology Journal*, vol. 12, no. 1, pp. 49–56, Mar. 2019, doi: 10.13005/bpj/1612.
- [5] M. Bhosale, S. Pawar, P. Jagtap, and M. D. M. Yewale, "ANIMAL HEALTH MONITORING SYSTEM USING IOT," 2020.
- [6] G. S. Karthick, M. Sridhar, and P. B. Pankajavalli, "Internet of Things in Animal Healthcare (IoTAH): Review of Recent Advancements in Architecture, Sensing Technologies and Real-Time Monitoring," *SN Computer Science*, vol. 1, no. 5. Springer, Sep. 01, 2020. doi: 10.1007/s42979-020-00310-z.
- [7] Pushpa, Darshan, N. Kr, S. Md, and Bhramarambha, "ANIMAL HEALTH MONITORING SYSTEM," 2022. [Online]. Available: [www.irjmets.com](http://www.irjmets.com)
- [8] M. R. Bhuiyan and P. Wree, "Animal Behavior for Chicken Identification and Monitoring the Health Condition Using Computer Vision: A Systematic Review," *IEEE Access*, vol. 11, pp. 126601–126610, Nov. 2023, doi: 10.1109/access.2023.3331092.
- [9] S. Buchheister and A. Bleich, "Health monitoring of laboratory rodent colonies—talking about (R)evolution," *Animals*, vol. 11, no. 5. MDPI, May 01, 2021. doi: 10.3390/ani11051410.
- [10] C. Romano, A. Cacciamali, S. Dotti, and R. Villa, "Health monitoring program for the control of laboratory animal diseases," *Biomedical Science and Engineering*, vol. 3, no. s3, Feb. 2020, doi: 10.4081/bse.2019.117.
- [11] S. Hwang, H. K. Shin, J. M. Park, B. Kwon, and M. G. Kang, "Classification of dog skin diseases using deep learning with images captured from multispectral imaging device," *Mol Cell Toxicol*, vol. 18, no. 3, pp. 299–309, Jul. 2022, doi: 10.1007/s13273-022-00249-7.

- [12] D. Turimov Mustapoevich, D. Muhamediyeva Tulkunovna, L. Safarova Ulmasovna, H. Primova, and W. Kim, "Improved Cattle Disease Diagnosis Based on Fuzzy Logic Algorithms," *Sensors*, vol. 23, no. 4, Feb. 2023, doi: 10.3390/s23042107.
- [13] L. M. Sinaga, Sawaluddin, and S. Suwilo, "Analysis of classification and Naïve Bayes algorithm k-nearest neighbor in data mining," in *IOP Conference Series: Materials Science and Engineering*, Institute of Physics Publishing, Jan. 2020. doi: 10.1088/1757-899X/725/1/012106.
- [14] B. Charbuty and A. Abdulazeez, "Classification Based on Decision Tree Algorithm for Machine Learning," *Journal of Applied Science and Technology Trends*, vol. 2, no. 01, pp. 20–28, Mar. 2021, doi: 10.38094/jastt20165.
- [15] M. Schonlau and R. Y. Zou, "The random forest algorithm for statistical learning," *Stata Journal*, vol. 20, no. 1, pp. 3–29, Mar. 2020, doi: 10.1177/1536867X20909688.
- [16] W. Xing and Y. Bei, "Medical Health Big Data Classification Based on KNN Classification Algorithm," *IEEE Access*, vol. 8, pp. 28808–28819, 2020, doi: 10.1109/ACCESS.2019.2955754.
- [17] A. A. Aldino, A. Saputra, A. Nurkholis, and S. Setiawansyah, "Application of Support Vector Machine (SVM) Algorithm in Classification of Low-Cape Communities in Lampung Timur," *Building of Informatics, Technology and Science (BITS)*, vol. 3, no. 3, pp. 325–330, Dec. 2021, doi: 10.47065/bits.v3i3.1041.
- [18] T. R. Gadekallu *et al.*, "Hand gesture classification using a novel CNN-crow search algorithm," *Complex and Intelligent Systems*, vol. 7, no. 4, pp. 1855–1868, Aug. 2021, doi: 10.1007/s40747-021-00324-x.
- [19] Y. Jusman, M. Ahdan, F. Nurkholid, A. Musthofa, W. Yulianti, and F. Ramadhani, "Expert System for Detecting Cat Skin Disease using Certainty Factor Method," *Journal of Electrical Technology UMY (JET-UMY)*, vol. 4, no. 1, 2020.
- [20] R. Yoga Perkasa and N. Fuad, "EXPERT SYSTEM FOR DIAGNOSIS OF DISEASES IN CAT USING THE NAIVE BAYES METHOD," 2023.
- [21] S. Khairunnisa, Y. Maulita, and M. Simanjuntak, "Journal of Artificial Intelligence and Engineering Applications Diagnosis of Parasitic Diseases in Animals Cat Using Bayes Theorem Method," 2023. [Online]. Available: <https://ioinformatic.org/>

- [22] B. E. Katherine, "Routine Health Care of Hamsters MERCK MANUAL Veterinary Manual," 2020. [Online]. Available: <https://www.merckvetmanual.com/all-other-pets/hamsters/routine-health-care-of-hamsters#>
- [23] F. Uzal, "Tyzzer Disease in Animals MSD MANUAL Veterinary Manual," 2021. [Online]. Available: <https://www.msdsvetmanual.com/digestive-system/tyzzer-disease/tyzzer-disease-in-animals?query=hamsterlaboratory>
- [24] E. Anis, J. J. Kattoor, S. S. Greening, L. Jones, and R. P. Wilkes, "Investigation of the pathogens contributing to naturally occurring outbreaks of infectious bovine keratoconjunctivitis (pinkeye) using Next Generation Sequencing," *Vet Microbiol*, vol. 282, Jul. 2023, doi: 10.1016/j.vetmic.2023.109752.
- [25] Katherine E. Quesenberry, "Disorders and Diseases of Hamsters," 2020.
- [26] J. Frohlich, "Hamsters MSD MANUAL Veterinary Manual," 2021. [Online]. Available: <https://www.msdsvetmanual.com/exotic-and-laboratory-animals/rodents/hamsters#1/6>
- [27] S. R. Shaw, "Infection Control and Prevention for School Psychologists: A Self-Care Primer," 2020.
- [28] Q. Bi, K. E. Goodman, J. Kaminsky, and J. Lessler, "What is machine learning? A primer for the epidemiologist," *Am J Epidemiol*, vol. 188, no. 12, pp. 2222–2239, Dec. 2019, doi: 10.1093/aje/kwz189.
- [29] I. H. Sarker, "Machine Learning: Algorithms, Real-World Applications and Research Directions," *SN Computer Science*, vol. 2, no. 3. Springer, May 01, 2021. doi: 10.1007/s42979-021-00592-x.
- [30] C. Janiesch, P. Zschech, and K. Heinrich, "Machine learning and deep learning," 2021, doi: 10.1007/s12525-021-00475-2/Published.
- [31] J. Sigut, M. Castro, R. Arnay, and M. Sigut, "OpenCV Basics: A Mobile Application to Support the Teaching of Computer Vision Concepts," *IEEE Transactions on Education*, vol. 63, no. 4, pp. 328–335, Nov. 2020, doi: 10.1109/TE.2020.2993013.
- [32] R. T. H. Hasan and A. B. Sallow, "Face Detection and Recognition Using OpenCV," *Journal of Soft Computing and Data Mining*, vol. 2, no. 2, pp. 86–97, Oct. 2021, doi: 10.30880/jsdcm.2021.02.02.008.
- [33] S. Singh, R. Verma, and A. Kumar Singh, "Image filtration in Python using openCV," 2021.

- [34] A. L. S. Saabith, T. Vinothraj, and M. Fareez, "POPULAR PYTHON LIBRARIES AND THEIR APPLICATION DOMAINS," *International Journal of Advance Engineering and Research Development*, vol. 7, no. 11, 2020, [Online]. Available: <https://www.researchgate.net/publication/349828209>
- [35] A. Bustamante, L. M. Belmonte, R. Morales, A. Pereira, and A. Fernández-Caballero, "Video Processing from a Virtual Unmanned Aerial Vehicle: Comparing Two Approaches to Using OpenCV in Unity," *Applied Sciences (Switzerland)*, vol. 12, no. 12, Jun. 2022, doi: 10.3390/app12125958.
- [36] MR. RAVI TEJA YARLAGADDA DR MEHUL PATEL MS. LAKSHMISRI SURYA, "Python For Begginers," 2021, doi: 10.8741059/081.
- [37] P. Jiang, D. Ergu, F. Liu, Y. Cai, and B. Ma, "A Review of Yolo Algorithm Developments," in *Procedia Computer Science*, Elsevier B.V., 2021, pp. 1066–1073. doi: 10.1016/j.procs.2022.01.135.
- [38] U. Sirisha, S. P. Praveen, P. N. Srinivasu, P. Barsocchi, and A. K. Bhoi, "Statistical Analysis of Design Aspects of Various YOLO-Based Deep Learning Models for Object Detection," *International Journal of Computational Intelligence Systems*, vol. 16, no. 1. Springer Science and Business Media B.V., Dec. 01, 2023. doi: 10.1007/s44196-023-00302-w.
- [39] T. Diwan, G. Anirudh, and J. V. Tembhurne, "Object detection using YOLO: challenges, architectural successors, datasets and applications," *Multimed Tools Appl*, vol. 82, no. 6, pp. 9243–9275, Mar. 2023, doi: 10.1007/s11042-022-13644-y.
- [40] N. Aiman, A. Norizan, M. Razali, M. Tomari, W. Nurshazwani, and W. Zakaria, "Object Detection Using YOLO for Quadruped Robot Manipulation," *Evolution in Electrical and Electronic Engineering*, vol. 4, no. 1, pp. 329–336, 2023, doi: 10.30880/eeee.2023.04.01.039.
- [41] K. Liu, H. Tang, S. He, Q. Yu, Y. Xiong, and N. Wang, "Performance Validation of Yolo Variants for Object Detection," in *Proceedings of the 2021 International Conference on Bioinformatics and Intelligent Computing, BIC 2021*, Association for Computing Machinery, Inc, Jan. 2021, pp. 239–243. doi: 10.1145/3448748.3448786.
- [42] C. Gupta, N. S. Gill, P. Gulia, and J. M. Chatterjee, "A novel finetuned YOLOv6 transfer learning model for real-time object detection," *J Real Time Image Process*, vol. 20, no. 3, Jun. 2023, doi: 10.1007/s11554-023-01299-3.
- [43] H. Zhao, H. Zhang, and Y. Zhao, "YOLOv7-sea: Object Detection of Maritime UAV Images based on Improved YOLOv7," 2023.

- [44] M. Hussain, "YOLO-v1 to YOLO-v8, the Rise of YOLO and Its Complementary Nature toward Digital Manufacturing and Industrial Defect Detection," *Machines*, vol. 11, no. 7. Multidisciplinary Digital Publishing Institute (MDPI), Jul. 01, 2023. doi: 10.3390/machines11070677.
- [45] F. M. Talaat and H. ZainEldin, "An improved fire detection approach based on YOLO-v8 for smart cities," *Neural Comput Appl*, vol. 35, no. 28, pp. 20939–20954, Oct. 2023, doi: 10.1007/s00521-023-08809-1.