

DAFTAR PUSTAKA

- Airouche, M, L Bentabet and M Zelmato. 2009. "Image Segmentation Using *Active Contour Model* and Level Set Method Applied to Detect Oil Spills". *Proceedings of the World Congress on Engineering* 1: 1–3.
- Chan, Tony F. and Luminata A. Vese. 2001. "Active Contours without Edges". *IEEE Transactions on Image Processing* 10: 266–277. <<https://doi.org/10.1109/83.902291>>.
- Eci Darmawan, Aswin Rosadi, Erie Kresna Andana. 2023. "Eci Darmawan, Pengolahan Citra Menggunakan Border Following Dan *Support Vector Machine* Pengolahan Citra Menggunakan Border Following Dan *Support Vector Machine (SVM)* Dalam Mengidentifikasi Kerusakan Jalan Raya", no. x: 14–18.
- Jakštys, Vytautas, Virginijus Marcinkevičius, Jevgenij Tichonov and Povilas Treigys. 2016. "Detection of the Road Pothole Contour in Raster Images". *Information Technology and Control* 45: 300–307. <<https://doi.org/10.5755/j01.itc.45.3.13446>>.
- Kass, Michael, Andrew Witkin and Demetri Terzopoulos. 1988. "Snakes: *Active Contour Models*". *International Journal of Computer Vision* 1: 321–331. <<https://doi.org/10.1007/BF00133570>>.
- Khalesi, Sadjad and Abbas Ahmadi. 2020. "Automatic Road Crack Detection and Classification Using Image Processing Techniques, Machine Learning and Integrated Models in Urban Areas: A Novel Image Binarization Technique Multiple Cooperative Swarms Clustering View Project Proposing Intelligent Cooperation". *Journal of Industrial and Systems Engineering* 11: 85–97. <https://www.jise.ir/article_69387.html> <<https://www.researchgate.net/publication/341988019>>.
- Koch, Christian and Ioannis Brilakis. 2011. "Pothole Detection in Asphalt Pavement Images". *Advanced Engineering Informatics* 25: 507–515. <<https://doi.org/10.1016/j.aei.2011.01.002>>.
- Kortmann, Felix, Kevin Talits, Pascal Fassmeyer, Alexander Warnecke, Nicolas Meier, Jens Heger, Paul Drews and Burkhardt Funk. 2020. "Detecting Various Road Damage Types in Global Countries Utilizing Faster R-CNN". *Proceedings - 2020 IEEE International Conference on Big Data, Big Data 2020*, 5563–5571. <<https://doi.org/10.1109/BigData50022.2020.9378245>>.
- Li, Gang, Xiaoxing Zhao, Kai Du, Feng Ru and Yubo Zhang. 2017. "Recognition and Evaluation of Bridge Cracks with Modified *Active Contour Model* and Greedy Search-Based *Support Vector Machine*". *Automation in Construction* 78: 51–61. <<https://doi.org/10.1016/j.autcon.2017.01.019>>.
- Liu, Ruyi, Junhong Wu, Wenyi Lu, Qiguang Miao, Huan Zhang, Xiangzeng Liu, Zixiang Lu and Long Li. 2024. "A Review of Deep Learning-Based Methods for Road Extraction from High-Resolution Remote Sensing Images". *Remote Sensing* 16: 1–37. <<https://doi.org/10.3390/rs16122056>>.
- Lucchi, Aurelien, Pablo Marquez-Neila, Carlos Becker, Yunpeng Li, Kevin Smith, Graham Knott and Pascal Fua. 2015. "Learning Structured Models for Segmentation of 2-D and

- 3-D Imagery”. *IEEE Transactions on Medical Imaging* 34: 1096–1110. <<https://doi.org/10.1109/TMI.2014.2376274>>.
- Luo, Jie, Huazhi Lin, Xiaoxu Wei and Yongsheng Wang. 2023. “Adaptive Canny and Semantic Segmentation Networks Based on Feature Fusion for Road Crack Detection”. *IEEE Access* 11: 51740–51753. <<https://doi.org/10.1109/ACCESS.2023.3279888>>.
- Mohan, Arun and Sumathi Poobal. 2018. “Crack Detection Using Image Processing: A Critical Review and Analysis”. *Alexandria Engineering Journal* 57: 787–798. <<https://doi.org/10.1016/j.aej.2017.01.020>>.
- Müller, A. C., & Guido, S. (2016). *Introduction to Machine Learning with Python*. O’Reilly Media, Inc.
- Ren, Miao, Xianfeng Zhang, Xiaobo Zhi, Yuanjia Wei and Ziyuan Feng. 2024. “An Annotated Street View Image Dataset for Automated Road Damage Detection”. *Scientific Data* 11: 1–13. <<https://doi.org/10.1038/s41597-024-03263-7>>.
- Sari, Yuslena, Andreyan Rizky Baskara, Puguh Budi Prakoso and Muhammad Arif Rahman. 2021. “Application of *Active Contour Model* on Image Processing for Detection of Road Damage”. *Jurnal Jalan Jembatan* 38: 138–147.
- Sari, Yuslena, Puguh Budi Prakoso and Andreyan Rezky Baskara. 2019. “Road Crack Detection Using *Support Vector Machine (SVM)* and OTSU Algorithm”. *ICEVT 2019 - Proceeding: 6th International Conference on Electric Vehicular Technology 2019*, 349–354. <<https://doi.org/10.1109/ICEVT48285.2019.8993969>>.
- Schölkopf, B and A J Smola. 2002. “*Support Vector Machines and Kernel Algorithms*”. *The Handbook of Brain Theory and Neural Networks*, 1119–1125.
- Shanmugam, Divya, Davis Blalock, Guha Balakrishnan and John Guttag. 2021. “Better Aggregation in Test-Time Augmentation”. *Proceedings of the IEEE International Conference on Computer Vision*, 1194–1203. <<https://doi.org/10.1109/ICCV48922.2021.00125>>.
- Vishwakarma, Rahul and Ravigopal Vennelakanti. 2020. “CNN Model Tuning for Global Road Damage Detection”. *Proceedings - 2020 IEEE International Conference on Big Data, Big Data 2020*, no. 2013: 5609–5615. <<https://doi.org/10.1109/BigData50022.2020.9377902>>.
- Wahid, Aceng Abdul. 2020. “Analisis Metode Waterfall Untuk Pengembangan Sistem Informasi”. *Jurnal Ilmu-Ilmu Informatika Dan Manajemen STMIK* 1: 1–5. <<https://www.researchgate.net/publication/346397070>>.
- Wang, Lei, Yongsheng Yao, Jue Li, Yiyang Tao and Kefei Liu. 2022. “Review of Visualization Technique and Its Application of Road Aggregates Based on Morphological Features”. *Applied Sciences (Switzerland)* 12. <<https://doi.org/10.3390/app122010571>>.
- Wang, Rui, Rui Qi Chen, Xin Xin Guo, Jia Xuan Liu and Hai Ying Yu. 2024. “Automatic Recognition System for Concrete Cracks with *Support Vector Machine* Based on Crack Features”. *Scientific Reports* 14: 1–12. <<https://doi.org/10.1038/s41598-024-71075-1>>.
- Witten, Ian H., Eibe Frank, Mark A. Hall, Christopher J. Pal and James R. Foulds. 2026. *Credibility: Evaluating What’s Been Learned. Data Mining*. <<https://doi.org/10.1016/b978-0-443-15888-9.00006-6>>.

Yu, Jongmin, Jiaqi Jiang, Sebastiano Fichera, Paolo Paoletti, Lisa Layzell, Devansh Mehta and Shan Luo. 2024. “Road Surface Defect Detection - From Image-Based to Non-Image-Based: A Survey”. *IEEE Transactions on Intelligent Transportation Systems* 25: 10581–10603. <<https://doi.org/10.1109/TITS.2024.3382837>>.