DAFTAR PUSTAKA

Abed, A., Akrout, B., & Amous, I. (2023). Semantic Heads Segmentation and Counting in Crowded Retail Environment with Convolutional Neural Networks Using Top View Depth Images. *SN Computer Science*, *4*(1). https://doi.org/10.1007/s42979-022-01467-5

Ahmed, K., Gad, M. A., & Aboutabl, A. E. (2022). Performance Evaluation of Salient Object Detection Techniques. *Multimedia Tools and Applications*, *81*(15). https://doi.org/10.1007/s11042-022-12567-y

AlBadani, B., Shi, R., & Dong, J. (2022). A Novel Machine Learning Approach for Sentiment Analysis on Twitter Incorporating the Universal Language Model Fine-Tuning and SVM. *Applied System Innovation*, *5*(1). https://doi.org/10.3390/asi5010013

Alfian, G., Octava, M. Q. H., Hilmy, F. M., Nurhaliza, R. A., Saputra, Y. M., Putri, D. G. P., Syahrian, F., Fitriyani, N. L., Atmaji, F. T. D., Farooq, U., Nguyen, D. T., & Syafrudin, M. (2023). Customer Shopping Behavior Analysis Using RFID and Machine Learning Models. *Information (Switzerland)*, *14*(10). https://doi.org/10.3390/info14100551

Al-Haqam, R. F., & Hamali, A. Y. (2016). The Influence of Service Quality toward Customer Loyalty: A Case Study at Alfamart Abdurahman Saleh Bandung. *Binus Business Review*, *7*(2). https://doi.org/10.21512/bbr.v7i2.1686

Ali, Y. A., Awwad, E. M., Al-Razgan, M., & Maarouf, A. (2023). Hyperparameter Search for Machine Learning Algorithms for Optimizing the Computational Complexity. *Processes*, *11*(2). https://doi.org/10.3390/pr11020349

Ardi Samudra Rochmattulloh. (2023). The Effect Of Online Learning On Increasing Student Learning Outcomes At Sdn Taman Baru. *Sosioedukasi Jurnal Ilmiah Ilmu Pendidikan Dan Sosial*, *12*(1). https://doi.org/10.36526/sosioedukasi.v12i1.2395

Arkin, E., Yadikar, N., Xu, X., Aysa, A., & Ubul, K. (2023). A Survey: Object Detection Methods from CNN to Transformer. *Multimedia Tools and Applications*, *82*(14). https://doi.org/10.1007/s11042-022-13801-3

Asghar, S., Gilanie, G., Saddique, M., Ullah, H., Mohamed, H. G., Abbasi, I. A., & Abbas, M. (2023). Water Classification Using Convolutional Neural Network. *IEEE Access*, *11*. https://doi.org/10.1109/ACCESS.2023.3298061

Aydinli, A., Lamey, L., Millet, K., ter Braak, A., & Vuegen, M. (2021). How Do Customers Alter Their Basket Composition When They Perceive the Retail Store to Be Crowded? An Empirical Study. *Journal of Retailing*, *97*(2). https://doi.org/10.1016/j.jretai.2020.05.004

Ayele, W. Y. (2020). Adapting CRISP-DM for Idea Mining a Data Mining Process for Generating Ideas Using a Textual *Dataset*. *International Journal of Advanced Computer Science and Applications*, *11*(6). https://doi.org/10.14569/IJACSA.2020.0110603

Badr, M. M. (2019). Goodness-of-fit tests for the Compound Rayleigh distribution with application to real data. *Heliyon*, *5*(8). https://doi.org/10.1016/j.heliyon.2019.e02225

Bascur, C., & Rusu, C. (2020). Customer Experience in Retail: A Systematic Literature Review. *Applied Sciences (Switzerland)*, *10*(21). https://doi.org/10.3390/app10217644

Boutahir, M. K., Farhaoui, Y., Azrour, M., Zeroual, I., & El Allaoui, A. (2022). Effect of Feature Selection on the Prediction of Direct Normal Irradiance. *Big Data Mining and Analytics*, *5*(4). https://doi.org/10.26599/BDMA.2022.9020003

Brkić, I., Ševrović, M., Medak, D., & Miler, M. (2023). Utilizing High Resolution Satellite Imagery for Automated Road Infrastructure Safety Assessments. *Sensors*, *23*(9). https://doi.org/10.3390/s23094405

C, L., S, P., Kashyap, A. H., Rahaman, A., Niranjan, S., & Niranjan, V. (2023). Novel Biomarker Prediction for Lung Cancer Using Random Forest Classifiers. *Cancer Informatics*, *22*. https://doi.org/10.1177/11769351231167992

Chandrashekar, K., Setlur, A. S., Sabhapathi C, A., Raiker, S. S., Singh, S., & Niranjan, V. (2023). Decision Support System and Web-Application Using Supervised Machine Learning Algorithms for Easy Cancer Classifications. *Cancer Informatics*, *22*. https://doi.org/10.1177/11769351221147244

Chen, S., Wang, P., & Wood, J. (2023). What is a Retail Brand - a Systematic Review of Terms and Definitions. Dalam *International Journal of Retail and Distribution Management* (Vol. 51, Nomor 5, hlm. 653–673). Emerald Publishing. https://doi.org/10.1108/IJRDM-06-2022-0187

Chimphlee, S., & Chimphlee, W. (2023). Machine Learning to Improve the Performance of Anomaly-Based Network Intrusion Detection in Big Data. *Indonesian Journal of Electrical Engineering and Computer Science*, *30*(2). https://doi.org/10.11591/ijeecs.v30.i2.pp1106-1119

Del Carpio, A. F. (2024). Analyzing Computer Vision Models for Detecting Customers: Practical Experience in a Mexican Retail. *International Journal of Advances in Intelligent Informatics*, *10*(1). https://doi.org/10.26555/ijain.v10i1.1112

Diwan, T., Anirudh, G., & Tembhurne, J. V. (2023). Object detection using YOLO: challenges, architectural successors, *datasets* and applications. *Multimedia Tools and Applications*, *82*(6). https://doi.org/10.1007/s11042-022-13644-y

Ebrahim, O. A., & Derbew, G. (2023). Application of supervised machine learning algorithms for classification and prediction of type-2 diabetes disease status in Afar regional state, Northeastern Ethiopia 2021. *Scientific Reports*, *13*(1). https://doi.org/10.1038/s41598-023-34906-1

Edirisinghe, G. S., & Munson, C. L. (2023). Strategic Rearrangement of Retail Shelf Space Allocations: Using Data Insights to Encourage Impulse Buying.

Expert Systems with Applications, *216*. https://doi.org/10.1016/j.eswa.2022.119442

Fodor, K. (2023). Classification of retail loans using decision tree. *Multidiszciplináris Tudományok*, *13*(3). https://doi.org/10.35925/j.multi.2023.3.21

Fröhlich-Wyder, M. T., Bachmann, H. P., & Schmidt, R. S. (2023). Classification of cheese varieties from Switzerland using machine learning methods: Free volatile carboxylic acids. *LWT*, *184*. https://doi.org/10.1016/j.lwt.2023.115095

Fudholi, D. H., Kurniawardhani, A., Andaru, G. I., Alhanafi, A. A., & Najmudin, N. (2024). YOLO-based Small-scaled Model for On-Shelf Availability in Retail. *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, *8*(2), 265–271. https://doi.org/10.29207/resti.v8i2.5600

Guo, M. H., Xu, T. X., Liu, J. J., Liu, Z. N., Jiang, P. T., Mu, T. J., Zhang, S. H., Martin, R. R., Cheng, M. M., & Hu, S. M. (2022). Attention Mechanisms in Computer Vision: A Survey. Dalam *Computational Visual Media* (Vol. 8, Nomor 3). https://doi.org/10.1007/s41095-022-0271-y

Habibzadeh, F. (2024). Data Distribution: Normal or Abnormal? *Journal of Korean Medical Science*, *39*(3). https://doi.org/10.3346/jkms.2024.39.e35

Hadi, R. H., Hady, H. N., Hasan, A. M., Al-Jodah, A., & Humaidi, A. J. (2023). Improved Fault Classification for Predictive Maintenance in Industrial IoT Based on AutoML: A Case Study of Ball-Bearing Faults. *Processes*, *11*(5). https://doi.org/10.3390/pr11051507

Hagtvedt, H., & Chandukala, S. R. (2023). Immersive Retailing: The in-Store Experience. *Journal of Retailing*, *99*(4). https://doi.org/10.1016/j.jretai.2023.10.003

Hassan, N. H. M., Ahmad, K., & Salehuddin, H. (2022). Developing and Validating Instrument for Data Integration Governance Framework. *International Journal of Advanced Computer Science and Applications*, *13*(2). https://doi.org/10.14569/IJACSA.2022.0130219

He, L., Zhou, Y., Liu, L., Cao, W., & Ma, J. (2025). Research on object detection and recognition in remote sensing images based on YOLOv11. *Scientific Reports*, *15*(1), 14032. https://doi.org/10.1038/s41598-025-96314-x

Hussain, M. (2023). When, Where, and Which?: Navigating the Intersection of Computer Vision and Generative AI for Strategic Business Integration. *IEEE Access*, *11*. https://doi.org/10.1109/ACCESS.2023.3332468

Iman, M., Arabnia, H. R., & Rasheed, K. (2023). A Review of Deep Transfer Learning and Recent Advancements. Dalam *Technologies* (Vol. 11, Nomor 2). https://doi.org/10.3390/technologies11020040

Jemai, J., & Zarrad, A. (2023). Feature Selection Engineering for Credit Risk Assessment in Retail Banking. *Information (Switzerland)*, *14*(3). https://doi.org/10.3390/info14030200

Jiang, P., Ergu, D., Liu, F., Cai, Y., & Ma, B. (2021). A Review of Yolo Algorithm Developments. *Procedia Computer Science*, *199*. https://doi.org/10.1016/j.procs.2022.01.135

Jo, B. J., & Kim, S. K. (2022). Comparative Analysis of OpenPose, PoseNet, and MoveNet Models for Pose Estimation in Mobile Devices. *Traitement du Signal*, *39*(1). https://doi.org/10.18280/ts.390111

Jose, J. A. C., Bertumen, C. J. B., Roque, M. T. C., Umali, A. E. B., Villanueva, J. C. T., TanAi, R. J., Sybingco, E., San Juan, J., & Gonzales, E. C. (2024). Smart Shelf System for Customer Behavior Tracking in Supermarkets. *Sensors*, *24*(2). https://doi.org/10.3390/s24020367

Kaur, J., & Singh, W. (2022). Tools, Techniques, *Dataset*s and Application Areas for Object Detection in an Image: a Review. *Multimedia Tools and Applications*, *81*(27). https://doi.org/10.1007/s11042-022-13153-y

Kaushik, P., Rathore, S. P. S., Kaur, P., Kumar, H., & Tyagi, N. (2023). Leveraging Multiscale Adaptive Object Detection and Contrastive Feature Learning for Customer Behavior Analysis in Retail Settings. *International Journal on Recent and Innovation Trends in Computing and Communication*, *11*(6 S). https://doi.org/10.17762/ijritcc.v11i6s.6938

Khanam, R., & Hussain, M. (2024). *YOLOv11: An Overview of the Key Architectural Enhancements*. http://arxiv.org/abs/2410.17725

Kim, S., Kim, H. S., & Yoo, J. Il. (2023). Sarcopenia classification model for musculoskeletal patients using smart insole and artificial intelligence gait analysis. *Journal of Cachexia, Sarcopenia and Muscle*, *14*(6). https://doi.org/10.1002/jcsm.13356

Krishan, D., & Sigh, A. (2023). Assessing the Best Regression Approach for precipitation analysis with meteorological Data in Lucknow using PyCaret. *International Research Journal of Modernization in Engineering Technology and Science*. https://doi.org/10.56726/irjmets45024

Krishnamoorthy, M., & Karthikeyan, R. (2022). Pattern Mining Algorithms for Data Streams using Itemset. *Measurement: Sensors*, *24*. https://doi.org/10.1016/j.measen.2022.100421

Lachhab, W. (2023). *Deep Learning for Efficient Retail Shelf Stock Monitoring and Analysis*. Aalto University.

Li, X., Grandvalet, Y., Davoine, F., Cheng, J., Cui, Y., Zhang, H., Belongie, S., Tsai, Y. H., & Yang, M. H. (2020). Transfer Learning in Computer Vision Tasks: Remember Where You Come From. *Image and Vision Computing*, *93*. https://doi.org/10.1016/j.imavis.2019.103853

Li, X., Guo, Y., Pan, W., Liu, H., & Xu, B. (2023). Human Pose Estimation Based on Lightweight Multi-Scale Coordinate Attention. *Applied Sciences (Switzerland)*, *13*(6). https://doi.org/10.3390/app13063614

Mahadevkar, S. V., Khemani, B., Patil, S., Kotecha, K., Vora, D. R., Abraham, A., & Gabralla, L. A. (2022). A Review on Machine Learning Styles in Computer Vision - Techniques and Future Directions. Dalam *IEEE Access* (Vol. 10). https://doi.org/10.1109/ACCESS.2022.3209825

Maji, D., Nagori, S., Mathew, M., & Poddar, D. (2022). YOLO-Pose: Enhancing YOLO for Multi Person Pose Estimation Using Object Keypoint Similarity Loss. *IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops*, *2022-June*. https://doi.org/10.1109/CVPRW56347.2022.00297

Martínez-García, M., & Hernández-Lemus, E. (2022). Data Integration Challenges for Machine Learning in Precision Medicine. Dalam *Frontiers in Medicine* (Vol. 8). https://doi.org/10.3389/fmed.2021.784455

Mostafa, A. M., Aljasir, M., Alruily, M., Alsayat, A., & Ezz, M. (2023). Innovative Forward Fusion Feature Selection Algorithm for Sentiment Analysis Using Supervised Classification. *Applied Sciences (Switzerland)*, *13*(4). https://doi.org/10.3390/app13042074

Naiem, S., Khedr, A. E., Idrees, A. M., & Marie, M. (2023). Iterative Feature Selection-Based DDoS attack Prevention Approach in Cloud. *International Journal of Electrical and Computer Engineering Systems*, *14*(2). https://doi.org/10.32985/IJECES.14.2.9

Nguyen, K., Le, M., Martin, B., Cil, I., & Fookes, C. (2022). When AI Meets Store Layout Design: A Review. *Artificial Intelligence Review*, *55*(7). https://doi.org/10.1007/s10462-022-10142-3

Ofoegbu, K., & Sajad Esmaeily, A. (2021). A Comparative Analysis of Four Machine Learning Algorithms to Predict Product Sales for a Retail Store. *Dublin Business School*.

P. S., N., & Aithal, P. S. (2022). Real Time Body Orientation Recognition for Customer Pose Orientation. *International Journal of Management, Technology, and Social Sciences*. https://doi.org/10.47992/ijmts.2581.6012.0197

Padilla, R., Passos, W. L., Dias, T. L. B., Netto, S. L., & Da Silva, E. A. B. (2021). A Comparative Analysis of Object Detection Metrics with a Companion Open-Source Toolkit. *Electronics (Switzerland)*, *10*(3). https://doi.org/10.3390/electronics10030279

Pantano, E., Pizzi, G., Bilotta, E., & Pantano, P. (2021). Enhancing Store Layout Decision with Agent-Based Simulations of Consumers' Density. *Expert Systems with Applications*, *182*. https://doi.org/10.1016/j.eswa.2021.115231

Poo, Z. Y., Ting, C. Y., Loh, Y. P., & Ghauth, K. I. (2023). Multi-Label Classification with Deep Learning for Retail Recommendation. *Journal of*

Informatics and Web Engineering, *2*(2). https://doi.org/10.33093/jiwe.2023.2.2.16

Razif, M. H. M., Ismail, A. P., Abdullah, S. A. C., Shafie, M. A., Isa, I. S., Sulaiman, S. N., & Soh, Z. H. C. (2024). On Edge Crowd Traffic Counting System using Deep Learning on Jetson Nano for Smart Retail Environment. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, *42*(1), 1–13. https://doi.org/10.37934/araset.42.1.113

Sampath, V., Maurtua, I., Aguilar Martín, J. J., & Gutierrez, A. (2021). A Survey on Generative Adversarial Networks for Imbalance Problems in Computer Vision Tasks. *Journal of Big Data*, *8*(1). https://doi.org/10.1186/s40537-021-00414-0

Schröer, C., Kruse, F., & Gómez, J. M. (2021). A Systematic Literature Review on Applying CRISP-DM Process Model. *Procedia Computer Science*, *181*. https://doi.org/10.1016/j.procs.2021.01.199

Senarath, S., Pathirana, P., Meedeniya, D., & Jayarathna, S. (2022). Customer Gaze Estimation in Retail Using Deep Learning. *IEEE Access*, *10*. https://doi.org/10.1109/ACCESS.2022.3183357

Siji George, C. G., & Sumathi, B. (2020). Grid search tuning of hyperparameters in random forest classifier for customer feedback sentiment prediction. *International Journal of Advanced Computer Science and Applications*, *11*(9). https://doi.org/10.14569/IJACSA.2020.0110920

Silva, B., Moreira, J., & Costa, R. L. de C. (2023). Logical Big Data Integration and Near Real-Time Data Analytics. *Data and Knowledge Engineering*, *146*. https://doi.org/10.1016/j.datak.2023.102185

Şimşek, M., & Tekbaş, M. K. (2024). Heatmap Creation with YOLO-Deep SORT System Customized for In-Store Customer Behavior Analysis. *Communications Faculty of Sciences University of Ankara Series A2-A3 Physical Sciences and Engineering*, *66*(1). https://doi.org/10.33769/aupse.1378578

Singh, M., Patidar, V., Ayyub, S., Soni, A., Vyas, M., Sharma, D., & Ranadive, A. (2023). An Analytical Survey of Difficulty Faced in an Online Lecture During COVID-19 Pandemic Using CRISP-DM. *Journal of Computer Science*, *19*(2). https://doi.org/10.3844/jcssp.2023.242.250

Taye, M. M. (2023). Theoretical Understanding of Convolutional Neural Network: Concepts, Architectures, Applications, Future Directions. Dalam *Computation* (Vol. 11, Nomor 3). https://doi.org/10.3390/computation11030052

Terven, J., Córdova-Esparza, D. M., & Romero-González, J. A. (2023). A Comprehensive Review of YOLO Architectures in Computer Vision: From YOLOv1 to YOLOv8 and YOLO-NAS. Dalam *Machine Learning and Knowledge Extraction* (Vol. 5, Nomor 4). https://doi.org/10.3390/make5040083

Tlapana, T. (2021). The Impact of Store Layout on Consumer Buying Behavior: A Case of Convenience Stores from a Selected Township in Kwazulu Natal. *International Review of Management and Marketing*, *11*(5). https://doi.org/10.32479/irmm.11583

Tran, N., Nguyen, M., Le, T., Huynh, T., Nguyen, T., & Nguyen, T. (2023). Exploring the potential of skeleton and machine learning in classroom cheating detection. *Indonesian Journal of Electrical Engineering and Computer Science*, *32*(3). https://doi.org/10.11591/IJEECS.V32.I3.PP1533-1544

Vaidyanathan, N., & Henningsson, S. (2023). Designing Augmented Reality Services for Enhanced Customer Experiences in Retail. *Journal of Service Management*, *34*(1). https://doi.org/10.1108/JOSM-01-2022-0004

Wan, C., Pang, Y., & Lan, S. (2022). Overview of YOLO Object Detection Algorithm. *International Journal of Computing and Information Technology*, *2*(1). https://doi.org/10.56028/ijcit.1.2.11

Wang, M. (2020). Consumer Behavior Analysis in the Offline Retail Stores based on convolutional neural network. *Journal of Physics: Conference Series*, *1544*(1). https://doi.org/10.1088/1742-6596/1544/1/012162

Wang, X., Zhai, M., Ren, Z., Ren, H., Li, M., Quan, D., Chen, L., & Qiu, L. (2021). Exploratory study on classification of diabetes mellitus through a combined Random Forest Classifier. *BMC Medical Informatics and Decision Making*, *21*(1). https://doi.org/10.1186/s12911-021-01471-4

Wen, J., Abe, T., & Suganuma, T. (2022). A Customer Behavior Recognition Method for Flexibly Adapting to Target Changes in Retail Stores. *Sensors*, *22*(18). https://doi.org/10.3390/s22186740

Wen, J., Guillen, L., Abe, T., & Suganuma, T. (2021). A hierarchy-based system for recognizing customer activity in retail environments. *Sensors*, *21*(14). https://doi.org/10.3390/s21144712

Wieland, T. (2023). A Micro-Econometric Store Choice Model Incorporating Multi- and Omni-Channel Shopping: The Case of Furniture Retailing in Germany. *Geographical Analysis*, *55*(1). https://doi.org/10.1111/gean.12308

Wu, C. H., Wu, T. C., & Lin, W. Bin. (2023). Exploration of Applying Pose Estimation Techniques in Table Tennis. *Applied Sciences (Switzerland)*, *13*(3). https://doi.org/10.3390/app13031896

Zar, J. H. (2005). Spearman Rank Correlation. Dalam *Encyclopedia of Biostatistics*. https://doi.org/10.1002/0470011815.b2a15150

Zheng, C., Wu, W., Chen, C., Yang, T., Zhu, S., Shen, J., Kehtarnavaz, N., & Shah, M. (2023). Deep Learning-based Human Pose Estimation: A Survey. *ACM Computing Surveys*, *56*(1). https://doi.org/10.1145/3603618