REFERENSI

[1] D. Hutter, "Physical Security and Why It Is Important," SANS Institute Reading, Singapore, 2016.

[2] J. Muir, "Student Attendance: Is It Important, and What Do Students Think?," *CEBE Transactions,* vol. 6, no. 2, pp. 50-69, 2009.

[3] E. Vezzetti and F. Marcolin, "3D human face description: Landmarks measures and geometrical features," *Image and Vision Computing,* vol. 30, no. 10, pp. 698-712, 2012.

[4] The MathWorks, Inc, "Face Recognition - MATLAB & Simulink," The MathWorks, Inc, [Online]. Available: https://www.mathworks.com/discovery/face-recognition.html. [Accessed 4 November 2019].

[5] Techopedia Inc, "techopedia," Techopedia Inc, [Online]. Available: https://www.techopedia.com/definition/32071/facial-recognition. [Accessed 4 November 2019].

[6] W. Zhao, R. Chellappa, P. J. Phillips and A. Rosenfeld, "Face Recognition: A Literature Survey," *ACM Computing Surveys,* vol. 35, no. 4, pp. 399-458, 2003.

[7] S. Z. Li and A. K. Jain, Handbook of Face Recognition, New York: Springer London Dordrecht Heidelberg, 2011.

[8] Vox, "What facial recognition steals from us," 10 Desember 2019. [Online]. Available: https://www.youtube.com/watch?v=cc0dqW2HCRc. [Accessed 14 May 2020].

[9] J. Brownlee, "A Gentle Introduction to Deep Learning for Face Recognition," Machine Learning Mastery, 31 Mei 2019. [Online]. Available: https://machinelearningmastery.com/introduction-to-deep-learning-for-face-recognition/. [Accessed 3 November 2019].

[10] J. Deng, J. Guo, Y. Zhou, J. Yu, I. Kotsia and S. Zafeiriou, "RetinaFace: Single-stage Dense Face Localisation in the Wild," 4 Mei 2019. [Online]. Available: https://arxiv.org/abs/1905.00641.

[11] M. Hollemans, "One-stage object detection," 9 Juni 2018. [Online]. Available: https://machinethink.net/blog/object-detection/. [Accessed 14 Mei 2020].

[12] A. Ng, "Multitask Learning (C3W2L08)," 25 Agustus 2017. [Online]. Available: youtube.com/watch?v=UdXfsAr4Gjw. [Accessed 10 Mei 2020].

[13] S. Goswami, "Reflections on Non Maximum Suppression (NMS)," [Online]. Available: https://medium.com/@whatdhack/reflections-on-non-maximum-suppression-nms-d2fce148ef0a. [Accessed 10 Mei 2020].

[14] S.-H. Tsang, "Review: FPN — Feature Pyramid Network (Object Detection)," 18 Januari 2019. [Online]. Available: https://towardsdatascience.com/review-fpn-feature-pyramid-network-object-detection-262fc7482610. [Accessed 10 Mei 2020].

[15] A. G. Howard and M. Zhu, "MobileNets: Open-Source Models for Efficient On-Device Vision," 14 Juni 2017. [Online]. Available: https://ai.googleblog.com/2017/06/mobilenets-open-source-models-for.html. [Accessed 10 Mei 2020].

[16] H. Q. Jifeng Dai, Y. Xiong, Y. Li, G. Zhang, H. Hu and Y. Wei, "Deformable Convolutional Networks," 5 Juni 2017. [Online]. Available: https://arxiv.org/abs/1703.06211.

[17] K. Zhang, Z. Zhang, Z. Li and Y. Qiao, "Joint Face Detection and Alignment using Multi-task Cascaded Convolutional Networks," 11 April 2016. [Online]. Available: https://arxiv.org/abs/1604.02878.

[18] Y. He, D. Xu, L. Wu, M. Jian, S. Xiang and C. Pan, "LFFD: A Light and Fast Face Detector for Edge Devices," 12 Agustus 2019. [Online]. Available: https://arxiv.org/abs/1904.10633.

[19] S. Roy and S. Podder, "Face detection and its applications," *IJREAT International Journal of Research in Engineering & Advanced Technology,* vol. 1, no. 2, 2013.

[20] E. Weisstein, "Affine Transformation," [Online]. Available: https://mathworld.wolfram.com/AffineTransformation.html. [Accessed 12 Mei 2020].

[21] The MathWorks, Inc., "Linear mapping method using affine transformation," [Online]. Available: https://www.mathworks.com/discovery/affine-transformation.html. [Accessed 12 Mei 2020].

[22] A. Mordvintsev and A. R. K, "Introduction to OpenCV-Python Tutorials," [Online]. Available: https://docs.opencv.org/master/d0/de3/tutorial_py_intro.html. [Accessed 12 Mei 2020].

[23] opencv dev team, "Geometric Image Transformations," [Online]. Available: https://docs.opencv.org/2.4/modules/imgproc/doc/geometric_transformations.html?highlight=getrotationmatrix. [Accessed 12 Mei 2020].

[24] A. Geitgey, "Machine Learning is Fun! Part 4: Modern Face Recognition with Deep Learning," Medium, 24

Juli 2016. [Online]. Available: https://medium.com/@ageitgey/machine-learning-is-fun-part-4-modern-face-recognition-with-deep-learning-c3cffc121d78. [Accessed 29 November 2019].

[25] D. King, "Dlib C++ Library," Dlib, [Online]. Available: http://dlib.net/. [Accessed 29 November 2019].

[26] A. Geitgey, *Face Recognition Documentation Release 1.2.3,* Adam Geitgey, 2019.

[27] K. He, X. Zhang, S. Ren and J. Sun, "Deep Residual Learning for Image Recognition," 10 Desember 2015. [Online]. Available: https://arxiv.org/abs/1512.03385.

[28] D. King, "Trained model files for dlib example programs.," [Online]. Available: https://github.com/davisking/dlib-models. [Accessed 14 Mei 2020].

[29] J. G. N. X. S. Z. Jiankang Deng, *ArcFace: Additive Angular Margin Loss for Deep Face Recognition,* arXiv preprint arXiv:1801.07698, 2019.

[30] D. K. J. P. Florian Schroff, "FaceNet: A Unified Embedding for Face Recognition and Clustering," arXiv preprint arXiv:1503.03832, 2015.

[31] E. Trabelsi, "Comprehensive Guide To Approximate Nearest Neighbors Algorithms," [Online]. Available: https://towardsdatascience.com/comprehensive-guide-to-approximate-nearest-neighbors-algorithms-8b94f057d6b6. [Accessed 14 Mei 2020].

[32] Y. A. Malkov and D. A. Yashunin, "Efficient and robust approximate nearest neighbor search using Hierarchical Navigable Small World graphs," 14 Agustus 2018. [Online]. Available: https://arxiv.org/abs/1603.09320.

[33] S. I. Garcia, "L0 Norm, L1 Norm, L2 Norm & L-Infinity Norm," Medium, 1 Mei 2018. [Online]. Available: https://medium.com/@montjoile/l0-norm-l1-norm-l2-norm-l-infinity-norm-7a7d18a4f40c. [Accessed 29 November 2019].

[34] S. Prabhakaran, "Cosine Similarity – Understanding the math and how it works (with python codes)," [Online]. Available: https://www.machinelearningplus.com/nlp/cosine-similarity/. [Accessed 14 Mei 2020].

[35] J. Johnson, M. Douze and H. Jégou, "Billion-scale similarity search with GPUs," 26 Februari 2017. [Online]. Available: https://arxiv.org/abs/1702.08734.

[36] AOSD, "Importance Of Modularity In Programming," 18 Januari 2018. [Online]. Available: http://aosd.net/importance-of-modularity-in-programming/. [Accessed 14 Mei 2020].

[37] opencv dev team, "Reading and Writing Images and Video," [Online]. Available: https://docs.opencv.org/2.4/modules/highgui/doc/reading_and_writing_images_and_video.html. [Accessed 20 Mei 2020].

[38] The SciPy community, "numpy.ndarray.tostring," [Online]. Available: https://numpy.org/doc/stable/reference/generated/numpy.ndarray.tostring.html. [Accessed 20 Mei 2020].

[39] Python Software Foundation, "base64 — Base16, Base32, Base64, Base85 Data Encodings," [Online]. Available: https://docs.python.org/3/library/base64.html. [Accessed 20 Mei 2020].

[40] W3Schools, "JSON - Introduction," [Online]. Available: https://www.w3schools.com/js/js_json_intro.asp. [Accessed 20 Mei 2020].

[41] Django Software Foundation, "Django," Django Software Foundation, [Online]. Available: https://www.djangoproject.com/. [Accessed 22 Mei 2020].

[42] MDN contributors, "Django introduction," 30 November 2019. [Online]. Available: https://developer.mozilla.org/en-US/docs/Learn/Server-side/Django/Introduction#What_is_Django. [Accessed 24 Mei 2020].

[43] DjangoGirls, "Django ORM and QuerySets," 1 Juli 2018. [Online]. Available: https://tutorial.djangogirls.org/en/django_orm/. [Accessed 24 Mei 2020].

[44] PostgreSQLTutorial, "What is PostgreSQL?," [Online]. Available: https://www.postgresqltutorial.com/what-is-postgresql/. [Accessed 24 Mei 2020].

[45] F. D. Gregorio, "psycopg2 2.8.5," [Online]. Available: https://pypi.org/project/psycopg2/. [Accessed 24 Mei 2020].

[46] Bootstrap, "Introduction - Bootstrap Documentation," [Online]. Available: https://getbootstrap.com/docs/4.3/getting-started/introduction/. [Accessed 24 Mei 2020].

[47] W3Schools, "HTML Elements," [Online]. Available: https://www.w3schools.com/html/html_elements.asp. [Accessed 24 Mei 2020].

[48] W3Schools, "What is AJAX?," [Online]. Available: https://www.w3schools.com/whatis/whatis_ajax.asp. [Accessed 24 Mei 2020].

[49] The jQuery Foundation, "jQuery," [Online]. Available: https://jquery.com/. [Accessed 24 Mei 2020].

[50] P. Gazarov, "What is an API? In English, please.," 19 Desember 2019. [Online]. Available: https://www.freecodecamp.org/news/what-is-an-api-in-english-please-b880a3214a82/. [Accessed 20 Mei 2020].

[51] P. Eising, "What exactly IS an API?," 8 Desember 2017. [Online]. Available: https://medium.com/@perrysetgo/what-exactly-is-an-api-69f36968a41f. [Accessed 20 Mei 2020].

[52] S. B. Avraham, "What is REST — A Simple Explanation for Beginners, Part 1: Introduction," 5 September 2017. [Online]. Available: https://medium.com/extend/what-is-rest-a-simple-explanation-for-beginners-part-1-introduction-b4a072f8740f. [Accessed 20 Mei 2020].

[53] Encode OSS Ltd, "Django REST framework," [Online]. Available: https://www.django-rest-framework.org/. [Accessed 20 Mei 2020].

[54] K. Reitz, "Requests: HTTP for Humans™," [Online]. Available: https://requests.readthedocs.io/en/master/. [Accessed 20 Mei 2020].

[55] S. Narkhede, "Understanding AUC - ROC Curve," Towards Data Science, 26 Juni 2018. [Online]. Available: https://towardsdatascience.com/understanding-auc-roc-curve-68b2303cc9c5. [Accessed 29 November 2019].

[56] S. Furui, "Chapter 7 - Speaker Recognition in Smart Environments," in *Human-Centric Interfaces for Ambient Intelligence*, Academic Press, 2010, pp. 163-184.