

Daftar Pustaka

- [1] Awake Consortium et al. Awake-system for effective assessment of driver vigilance and warning according to traffic risk estimation. 2001.
- [2] Mehul K Dabhi and Bhavna K Pancholi. Face detection system based on viola-jones algorithm. *International Journal of Science and Research (IJSR)*, 5(4):62–64, 2016.
- [3] Dephub. Kelelahan Jadi Faktor Utama Penyebab Kecelakaan. <http://www.dephub.go.id/post/read/kelelahan-jadi-faktor-utamapenyebab-kecelakaan-14470>, [Diakses pada 1 Oktober 2019].
- [4] David F Dinges and Richard Grace. Perclos: A valid psychophysiological measure of alertness as assessed by psychomotor vigilance. US Department of Transportation, Federal Highway Administration, Publication Number FHWA-MCRT-98-006, 1998.
- [5] Kominfo. Setiap Jam Rata – Rata 3 Orang Meninggal Akibat Kecelakaan Jalan di Indonesia. https://kominfo.go.id/index.php/content/detail/10368/rata-rata-tiga-orang-meninggal-setiap-jam-akibat-kecelakaan-jalan/0/artikel_gpr, [Diakses pada 27 Juli 2020]
- [6] Yoav Freund. Boosting a weak learning algorithm by majority. *Information and computation*, 121(2):256–285, 1995.
- [7] Jennifer Healey and Rosalind Picard. Smartcar: detecting driver stress. In *Proceedings 15th International Conference on Pattern Recognition. ICPR2000*, volume 4, pages 218–221. IEEE, 2000..
- [8] Di Huang, Caifeng Shan, Mohsen Ardabilian, Yunhong Wang, and Liming Chen. Local binary patterns and its application to facial image analysis: a survey. *IEEE Transactions on Systems, Man, and Cybernetics, Part C (Applications and Reviews)*, 41(6):765–781, 2011.
- [9] Ole Helvig Jensen. Implementing the viola-jones face detection algorithm. Master’s thesis, Technical University of Denmark, DTU, DK-2800 Kgs. Lyngby, Denmark, 2008..
- [10] Qiang Ji and Xiaojie Yang. Real-time eye, gaze, and face pose tracking for monitoring driver vigilance. *Real-time imaging*, 8(5):357–377, 2002.
- [11] Albert Kircher, Marcus Uddman, and Jesper Sandin. Vehicle control and drowsiness. Statens v’ag-och transport for sknings institut, 2002.
- [12] Weiwei Liu, Haixin Sun, and Weijie Shen. Driver fatigue detection through pupil detection and yawing analysis. In *2010 International Conference on Bioinformatics and Biomedical Technology*, pages 404–407. IEEE, 2010.
- [13] Yuan Luo, Cai-ming Wu, and Yi Zhang. Facial expression recognition based on fusion feature of pca and lbp with svm. *Optik-International Journal for Light and Electron Optics*, 124(17):2767–2770, 2013
- [14] Marsaid Marsaid, M Hidayat, and Ahsan Ahsan. Faktor yang berhubungan dengan kejadian kecelakaan lalu lintas pada pengendara sepeda motor di wilayah polres kabupaten malang. *Jurnal Ilmu Keperawatan*, 1(2):98–112, 2013.
- [15] Philipp Michel and Rana El Kaliouby. Real time facial expression recognition in video using support vector machines. In *Proceedings of the 5th international conference on Multimodal interfaces*, pages 258–264. ACM, 2003.
- [16] Leo Pauly and Deepa Sankar. Detection of drowsiness based on hog features and svm classifiers. In *2015 IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)*, pages 181–186. IEEE, 2015.
- [17] S Prabaswara. Studi kelelahan dalam aktivitas mengemudi berdurasi panjang. Bandung: Insitut Teknologi Bandung, 2013.

- [18] Vandna Saini and Rekha Saini. Driver drowsiness detection system and techniques: a review. *International Journal of Computer Science and Information Technologies*, 5(3):4245–4249, 2014.
- [19] C Saravanan. Color image to grayscale image conversion. In *2010 Second International Conference on Computer Engineering and Applications*, volume 2, pages 196–199. IEEE, 2010.
- [20] Rajinda Senaratne, Budi Jap, Sara Lal, Arthur Hsu, Saman Halgamuge, and Peter Fischer. Comparing two video-based techniques for driver fatigue detection: classification versus optical flow approach. *Machine Vision and Applications*, 22(4):597–618, 2011.
- [21] Ning Sun, Wenming Zheng, Changyin Sun, Cairong Zou, and Li Zhao. Gender classification based on boosting local binary pattern. In *International Symposium on Neural Networks*, pages 194–201. Springer, 2006.
- [22] L. H. Tjakranata. Pengaruh Kelelahan Pengemudi terhadap Frekuensi Kecelakaan Lalu Lintas. Universitas Indonesia, Jakarta, 2013..
- [23] Paul Viola, Michael Jones, et al. Robust real-time object detection. *International journal of computer vision*, 4 (34-47):4, 2001..
- [24] Ann Williamson, David A Lombardi, Simon Folkard, Jane Stutts, Theodore K Courtney, and Jennie L Connor. The link between fatigue and safety. *Accident Analysis & Prevention*, 43(2):498–515, 2011.
- [25] Peng Yang, Shiguang Shan, Wen Gao, Stan Z Li, and Dong Zhang. Face recognition using ada-boosted gabor features. In *Sixth IEEE International Conference on Automatic Face and Gesture Recognition, 2004. Proceedings.*, pages 356–361. IEEE, 2004.
- [26] Yan Zhang and Caijian Hua. Driver fatigue recognition based on facial expression analysis using local binary patterns. *Optik*, 126(23):4501–4505, 2015
- [27] Yin, Bao-Cai, Xiao Fan, and Yan-Feng Sun. "Multiscale dynamic features based driver fatigue detection." *International Journal of Pattern Recognition and Artificial Intelligence* 23.03 (2009): 575-589.
- [28] Li, Xu, et al. "Fatigue driving detection model based on multi-feature fusion and semi-supervised active learning." *IET Intelligent Transport Systems* 13.9 (2019): 1401-1409.
- [29] Akrouf, Belhassen, and Walid Mahdi. "Yawning detection by the analysis of variational descriptor for monitoring driver drowsiness." *2016 International Image Processing, Applications and Systems (IPAS)*. IEEE, 2016.
- [30] Dehkordi, Maryam Taghizadeh, Fariba Sadeghi Hafshejani, and Hossein Pourghasem. "An effective system to detect face drowsiness status using local features in a hierarchical decision-making structure." *International Research Journal of Engineering and Technology* 5.4 (2018): 646-654.
- [31] Syakur, M. A., et al. "Integration k-means clustering method and elbow method for identification of the best customer profile cluster." *IOP Conference Series: Materials Science and Engineering*. Vol. 336. No. 1. IOP Publishing, 2018.