

DAFTAR PUSTAKA

- Alkim, T. P., Bootsma, G., Hoogendoorn, S. P., 2007, Field operational test “the assisted driver”, In *IEEE intelligent vehicles symposium*, Istanbul, Turkey, pp. 1198–1203.
- Alpern, M. and Minardo, K., 2003, Developing A Car Gesture Interface for Use as a Secondary Task. In *CHI'03 extended abstracts on Human factors in computing systems*, pp. 932-933.
- Arakawa, T., & Oi, K., 2016, Verification of autonomous vehicle over-reliance, In *Proceedings of Measuring Behavior*, Dublin, Ireland, pp. 177–182.
- Arakawa, T., Hibi, Ryosuke., Fujishiro, Taka-aki., 2018, Psychophysical assessment of a driver’s mental state in autonomous vehicles, *Transportation Research Part A: Policy and Practice*, vol. 124, pp. 587-610.
- Bales, J., 2019, *What’s the Difference Between Defensive and Aggressive Driving?*, <http://www.johnbales.com/defensive-and-aggressive-driving/> (online accessed 23 June 2019).
- Boelhouwer, A., Beukel, A.P., Voort, M.C., Martens, M.H., 2018, Should I take over? Does system knowledge help drivers in making take-over decisions while driving a partially automated car?, *Transportation Research Part F: Traffic Psychology and Behaviour*, vol. 60, pp. 669-684.
- Brookhuis, K.A., de Waard, D., 2010, Monitoring Drivers Mental Workload in Driving Simulators Using Physiological Measures, *Accident Analysis and Prevention*, vol. 42 (3), pp. 898-903.
- Cherry, K., 2019, *Emotions and Types of Emotional Responses*, <https://www.verywellmind.com/what-are-emotions-2795178#citation-1>, (Online accessed: 24 Juni 2019).
- CNS, 2017, *Parietal Lobes*, <https://www.neuroskills.com/brain-injury/parietallobes.php> (Online accessed 4 April 2019).
- Condliffe, J., 2016, *2021 May Be The Year Of The Fully Autonomous Car*, <https://www.technologyreview.com/s/602196/2021-may-be-the-year-of-the-fully-autonomous-car/> (online accessed 20 March 2019).
- Daimler, 2014, *The pioneer of autonomous driving, Mercedes-Benz future truck 2025*, <https://www.daimler.com/innovation/autonomous-driving/mercedes-benz-future-truck.html> (online accessed 21 March 2019).
- Desai, R., Tailor, A., Bhatt, T., 2015, Effects of yoga on brain waves and structural activation: A review, *Complementary Therapies in Clinical Practice*, vol. 21, pp. 112-118.
- Dharmawan, Z., 2007, Analysis of Computer games Playes Stress Level Using EEG Data, *Master of Science Thesis Report*, Delft University of Technology Netherlands.
- Dybkjær, H., Bernsen, N.O. and Dybkjær, L., 1993, Wizard-of-Oz and the Tradeoff between Naturalness and Recogniser Constraints, In *Third European Conference on Speech Communication and Technology*.

- Earnest, L., 2016, *How a First Attempt at an Autonomous Road Vehicle Came from a Blocker Moon Rover Project with Some Help from Football*. <http://web.stanford.edu/~learnest/sail/cart.htm> (online accessed 21 March 2019).
- Emotiv, 2018, *EmotivPro*, https://emotiv.gitbook.io/emotivpro/setting_up_your_eeg_device/fitting_your_headset (online accessed: 24 November 2018).
- Emotiv, 2018, *The Introductory Guide to EEG (Electroencephalography)*, <https://www.emotiv.com/eeg-guide/> (online accessed: 24 November 2018).
- Fleetwood, J., 2017, Public health, ethics, and autonomous vehicles, *Am. J. Public Health*, vol. 107, pp. 532–537.
- Fleming, B., 2010, Battery switching, driving dynamics, and touch-screen control input [Automotive Electronics], *IEEE Vehicular Mag*, vol. 5, pp. 4–7.
- Ford, M., 2015, *Rise of the Robots: Technology and the Threat of a Jobless Future*. Basic Books, New York.
- Ford, 2017, *Ford will have a fully autonomous vehicle in operation by 2021*, <https://corporate.ford.com/innovation/autonomous-2021.html> (online accessed 21 March 2019).
- Gamon, D., 2016, *Your Brain and What it Does*, <http://www.brainwaves.com/> (Online accessed 4 April 2019).
- Geutner, P., Steffens, F. and Manstetten, D., 2002, Design of the VICO Spoken Dialogue System: Evaluation of User Expectations by Wizard-of-Oz Experiments. In *LREC*.
- Gould, J.D. and Lewis, C., 1985, Designing for Usability: Key Principles and What Designers Think. *Communications of the ACM*, vol. 28, no. 3, pp.300-311.
- Grove, J.R., & Prapavessis, H., 1992, Preliminary Evidence For The Reliability and Validity of an Abbreviated Profile of Mood States, *International Journal of Sport Psychology*, val. 23, pp. 93-109.
- Haak, M., Bos, S., Panic, S., Rothkrantz, L., 2009, *Detecting stress using eye blinks and brain activity from eeg signals*, *Driver Car Interaction and Interface (DCII 2008)*, vol. 1, pp. 35–60.
- Hatfield, R., 2017, *Right Temporal Lobe Functions*, <https://healthfully.com/righttemporal-lobe-functions-35962.html> (Online accessed 4 April 2019).
- Hester, M., Lee, K., & Dyre, B P., 2017, “Driver Take Over”: A preliminary exploration of driver trust and performance in autonomous vehicle, *Human Factors and Ergonomics Society 2017 Annual Meeting*, pp. 1969-1973.
- IHS Markit, 2016, *Self-driving cars moving into the industry’s driver’s seat*, <http://news.ihsmarkit.com/press-release/automotive/self-driving-cars-moving-industrys-drivers-seat> (online accessed 25 March 2019)
- Itsusync, 2017, *Different Types of Brain Waves: Delta, Theta, Alpha, Beta, Gamma*, <http://itsusync.com/different-types-of-brain-waves-delta-theta-alpha-betagamma> (Online accessed 4 April 2019).
- Jermakian, J.S., 2011, Crash Avoidance Potential of Four Passenger Vehicle Technologies, *Accident Analysis and Prevention*, vol. 43, no. 3, pp. 732-740.

- John Hopkins Medicine, 2019, *Electroencephalogram (EEG)*, <https://www.hopkinsmedicine.org/health/treatment-tests-andtherapies/electroencephalogram-eeeg>, (Online accessed 5 April 2019).
- Karjanto, Juffrizal., Yusof, Nidzamuddin Md., Wang, Chao., Terken, Jacques., Delbressine, Frank., Rauterberg, Matthias., 2018, The effect of peripheral visual feedforward system in enhancing situation awareness and mitigating motion sickness in fully automated driving, *Transportation Research Part F: Traffic Psychology and Behaviour*, vol. 58, pp. 678-692.
- Klimesch, W., Schimke, H., and Schwaiger, J., 1994, Episodic and Semantic Memory: an Analysis in The EEG Theta and Alpha Band, *Electroencephalography and Clinical Neurophysiology*, vol. 91, no.6, pp. 428-441.
- Kober, S. E., Reichert, J. L., Neuper, C., dan Wood, G., 2016, Interactive effects of age and gender on EEG power and coherence during a short-term memory task in middle-aged adults, *Neurobiology of Aging*, vol. 40, pp. 127-137.
- Kyriakidis, M., de Winter, J.C., Stanton, N., Bellet, T., van Arem, B., Brookhuis, K., Martens, M.H., Bengler, K., Andersson, J., Merat, N., Reed, N., Flament, M., Hagenzieker, M., Happee, R., 2017, A human factors perspective on automated driving, *Theoretical Issues Ergonom Sci*, pp. 1–27.
- Lawrence, 2010, *How Gamma Brainwaves Improve Memory & Concentration*, <https://www.binauralbeatsfreak.com/brainwave-entrainment/gamma-wavesbenefits> (Online accessed 25 Juni 2019)
- Li, J., Zhao, X., Xu, S., Ma, J., Rong., 2013, The Study of Driving Simulator Validation for Physiological Signal Measures, *Social and Behavioral Science*, vol. 96, pp. 2572-2583.
- Livia, A., 2019, *Analisis Pengaruh Kesesuaian Gaya Mengemudi dari Automated Vehicle dan Pengemudi Terhadap Tingkat Penerimaan Teknologi*, Bachelor of Science Thesis Report, Universitas Gadjah Mada, Yogyakarta.
- Lordi, G., 2013, *Categorizing Brainwave States (Gamma, Beta, Theta, Alpha, Delta)*, <http://www.gioannilordi.com/blog/categorizing-brainwave-states-gamma-beta-theta-alpha-delta> (Online accessed 4 April 2019).
- Mayfield Brain and Spine, 2018, *Anatomy of The Brain*, <https://www.mayfieldclinic.com/PE-AnatBrain.html> (Online accessed 4 April 2019).
- McNair, D. M., Lorr, M., & Droppleman, L. F, 1971, Profile of Mood States (POMS) manual, *CA: Education and Industrial Testing Service*.
- Mindvalley Academy, 2016, *Brain Waves*, <https://www.mindvalleyacademy.com/blog/mind/brain-waves> (Online accessed 4 April 2019).
- National Highway Traffic Safety Administration, 2013, *Automated Vehicles for Safety*, <https://www.nhtsa.gov/technology-innovation/automated-vehiclessafety> (online accessed 4 March 2019).
- Park, Corey., Shahrddar, Shervin., Nojournian, Mehrdad., 2018, EEG-Based Classification of Emotional State Using an Autonomous Vehicle Simulator, *Sensor Array and Multichannel Signal Processing Workshop (SAM)*, Boca Raton, Florida, vol. 10, pp. 297-300.

- Rahman, M. M., Strawderman, L., Lesch, M.F., Horrey, W.J., Babski-Reeves, K. & Garrison, T., 2018, Modelling Driver Acceptance of Driver Support Systems, *Accident Analysis and Prevention*, vol. 121, pp. 134-147.
- Razumnikova, O. M., 2004, Gender differences in hemispheric organization during divergent thinking an EEG investigation in human subjects, *Neuroscience Letters*, vol. 362, pp. 193–195.
- Smelser, N. J and Batles, P. B., 2001, *International encyclopedia of the social & behavioral sciences*, Amsterdam, Elsevier.
- Society of Automotive Engineers, 2016, *J3016: Taxonomy and Definitions for Terms Related to On-Road Motor Vehicle Automated Driving Systems*, https://www.sae.org/standards/content/j3016_201609/ (online accessed 5 March 2019)
- Spinal Cord, 2019, *Temporal Lobe*, <https://www.spinalcord.com/temporal-lobe>, (Online accessed: 24 Juni 2019)
- Stapel, J., Mullakkal-Babu, F.A., & Happee, R., 2018, Automated driving reduces perceived workload, but monitoring causes higher cognitive load than manual driving, *Transportation Research Part F: Traffic Psychology and Behaviour*, vol. 60, pp. 590-605.
- Stokes, M. G., Wolff, M. J., and Spaak, E., 2015, Decoding Rich Spatial Information with High Temporal Resolution, *Trends in Cognitive Sciences*, vol. 19, no.11, pp. 636–638.
- Sujadi, Harun., Sopiandi, Ii., Mutaqin, Agis., 2017, Sistem Pengolahan Suara Menggunakan Algoritma Fft (Fast Fourier Transform), *Prosiding SINTAX 2017*, pp. 101 – 107.
- Tong, J., Liu, S., Ke, Y., Gu, B., He, F., Wan, B., Ming, D., 2017, Eeg based emotion recognition using nonlinear feature, *International Conference on Awareness Science and Technology (iCAST)*, vol. 8, pp. 55–59.
- Union of Concerned Scientists, 2018, *Self-Driving Cars Explained*. <https://www.ucsusa.org/clean-vehicles/how-self-driving-cars-work> (online accessed 20 March 2019).
- Urmson, C., Baker, C., Dolan, J., Rybski, P., Salesky, B., Whittaker, W., Ferguson, D., Darms, M., 2009, Autonomous driving in traffic: boss and the urban challenge, *AI Magazine*, vol. 30, pp.17–28
- Vlakveld, Willem., Nes, Nicole., Bruin, Jonathan., Vissers, Luuk., Krof, Merle., 2018, Situation awareness increases when drivers have more time to take over the wheel in a Level 3 automated car: A simulator study, *Transportation Research Part F: Traffic Psychology and Behaviour*, vol. 58, pp. 917-929.
- Volf, N. V., Belousova, L. V., Knyazev, G. G., dan Kulikov, A. V., 2015, Gender Differences in Association Between Serotonin Transporter Gene Polymorphism and Resting-State EEG Activity, *Neuroscience*, vol.284, pp. 513-521.
- Wang, X., Nie, Dan., & Lu, B., 2014, Emotional state classification from EEG data using machine learning approach, *Neurocomputing*, vol. 129, pp. 94 – 106.

Wu, S., Xu, X., & Shu, L., 2017, Estimation of Valence of Emotion Using Two Frontal EEG Channels, *IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*, pp. 1127-1130.

