UNIVERSITAS
GADJAH MADA
Pengaruh Thermal dan Multi-task terhadap Situation Awareness Pejalan Kaki
Aghnia Salsa Az Zahra, Ir. Rini Dharmastiti, M.Sc., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Akbar, G. H., Wijayanto, T., & Hartono, B. (2022). Situation awareness measurement in pedestrian environments: A comparison between freeze-probing and real-time-probing technique. *Research Square.*, 1–18. https://doi.org/10.21203/rs.3.rs-2066539/v1

Akbar, G. H., Wijayanto, T., & Hartono, B. (2025). Situation awareness of distracted walking based on eye-tracking study. *Cognition, Technology and Work*, *27*(1), 79–91. https://doi.org/10.1007/s10111-024-00786-2

ASHRAE. (2023). ANSI/ASHRAE Standard 55-2023: Thermal environmental conditions for human occupancy. ASHRAE.

Asih, J. A. N. S. (2021). Analisis pengaruh multi task dan jenis kelamin pejalan kaki terhadap situation awareness (Master's thesis, Universitas Gadjah Mada).

Atsari, Z. D. (2017). Analisis pengaruh dualtask pejalan kaki dan personality terhadap situation awareness dengan parameter akurasi kesaksian saksi mata kecelekaan (Bachelor's thesis, Universitas Gadjah Mada).

Brimicombe, C., Lo, C. H. B., Pappenberger, F., Di Napoli, C., Maciel, P., Quintino, T., Cornforth, R., & Cloke, H. L. (2023). Wet Bulb Globe Temperature: Indicating Extreme Heat Risk on a Global Grid. *GeoHealth*, *7*(2), 1–14. https://doi.org/10.1029/2022GH000701

Chemerlang, A. H. R., & Sari, K. A. M. (2025). Thermal Comfort Study in Vibration and Noise Laboratory at UTHM Pagoh. *Progress in Engineering Application and Technology*, *6*(2), 80–88. https://doi.org/10.30880/peat.2025.06.02.008

Chen, Y., Tao, M., & Liu, W. (2020). High temperature impairs cognitive performance during a moderate intensity activity. *Building and Environment*, *186*, 107372. https://doi.org/10.1016/j.buildenv.2020.107372

Cohen, J. (1988). *Statistical power analysis for the behavioral sciences* (2nd ed.). Lawrence Erlbaum Associates.

Courtemanche, F., Labonté-lemoyne, E., Léger, P., Fredette, M., Senecal, S., Cameron, A., Faubert, J., & Bellavance, F. (2019). Texting while walking : An expensive switch cost. *Accident Analysis and Prevention*, *127*, 1–8. https://doi.org/10.1016/j.aap.2019.02.022

Cunningham, J. C., Battiste, H., Curtis, S., Hallett, E. C., Koltz, M., Brandt, S. L., Lachter, J., Battiste, V., & Johnson, W. W. (2015). Measuring

UNIVERSITAS
GADJAH MADA
Pengaruh Thermal dan Multi-task terhadap Situation Awareness Pejalan Kaki
Aghnia Salsa Az Zahra, Ir. Rini Dharmastiti, M.Sc., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Situation Awareness with Probe Questions: Reasons for not Answering the Probes. *Procedia Manufacturing*, *3*(Ahfe), 2982–2989. https://doi.org/10.1016/j.promfg.2015.07.840

Dahlan, N. D., Ghaffarianhoseini, A., & Hassan, N. (2020). *Sensory and physiological assessment of spatial transient thermal environment changes at a tropical university campus*. *11*(3), 516–531. https://doi.org/10.1108/SASBE-08-2020-0122

Doohan, M. A., Stewart, I. B., Coulter, T. J., Drovandi, C., Weier, S., & Borg, D. N. (2022). Modified Stroop task performance when wearing protective clothing in the heat : An evaluation of the maximum adaptability model. *Physiology & Behavior*, *246*, 113690. https://doi.org/10.1016/j.physbeh.2021.113690

Endsley, M. R. (1995). A taxonomy of situation awareness errors. In D. J. Garland & M. R. Endsley (Eds.), *Human factors in aviation operations* (pp. 287–292). Avebury Aviation.

Endsley, M. R., & Garland, D. J. (Eds.). (2000). Situation awareness analysis and measurement. Lawrence Erlbaum Associates.

Goss-Sampson, M. A. (2020). *Statistical analysis in JASP: A guide for students* (14th ed.). University of Greenwich.

Hancock, P. A., & Vasmatzidis, I. (2003). Effects of heat stress on cognitive performance: The current state of knowledge. *International Journal of Hyperthermia*, *19*(3), 355–372. https://doi.org/10.1080/0265673021000054630

Hou, S., Gao, S., Jin, Y., & Feng, C. (2025). Determination of core and mean skin temperatures for the evaluation of thermal comfort : A comparative study. *Building and Environment*, *271*, 112605. https://doi.org/10.1016/j.buildenv.2025.112605

Krishna, K. V., & Choudhary, P. (2026). Estimating Situational Awareness and Predicting Gaze Allocation Strategies for Pedestrians Using a Markov Model. *Transportation Research Record*, 1–19. https://doi.org/10.1177/03611981251410917

Lee, M., Lee, H., Hwang, S., & Choi, M. (2021). Understanding the impact of the walking environment on pedestrian perception and comprehension of the situation. *Journal of Transport & Health*, *23*, 101267. https://doi.org/10.1016/j.jth.2021.101267

Lemke, B., & Kjellstrom, T. (2012). Calculating Workplace WBGT from Meteorological Data : A Tool for Climate Change Assessment. *Industrial Health*, *50*(4), 267–278. https://doi.org/10.2486/indhealth.MS1352

UNIVERSITAS
GADJAH MADA
Pengaruh Thermal dan Multi-task terhadap Situation Awareness Pejalan Kaki
Aghnia Salsa Az Zahra, Ir. Rini Dharmastiti, M.Sc., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Lim, J., Amado, A., Sheehan, L., & Van Emmerik, R. E. A. (2015). Dual task interference during walking: The effects of texting on situational awareness and gait stability. *Gait and Posture*, *42*(4), 466–471. https://doi.org/10.1016/j.gaitpost.2015.07.060

Lin, M. B., & Cheng, S. (2024). Different smartphone tasks and traffic complexity affect pedestrian awareness of co-existing road objects and cerebral oxygenation during shared space walking. *Transportation Research Part F: Psychology and Behaviour*, *103*, 460–479. https://doi.org/10.1016/j.trf.2024.04.019

Lin, M. I. B., & Huang, Y. P. (2017). The impact of walking while using a smartphone on pedestrians' awareness of roadside events. *Accident Analysis and Prevention*, *101*, 87–96. https://doi.org/10.1016/j.aap.2017.02.005

Michailovs, S., Pond, S., Schmitt, M., Irons, J., Stoker, M., Visser, T. A. W., Huf, S., & Loft, S. (2023). The Impact of Information Integration in a Simulation of. *Human Factors*, *65*(7), 1473–1490. https://doi.org/10.1177/00187208211045872

Noorfadila, A. M. (2024). Pengaruh voice assistant dan autonomous vehicle error terhadap situation awareness dan respon fisiologis pengemudi (Bachelor's thesis). Universitas Gadjah Mada.

Pamungkas, L. S., Kusumawanto, A., & Marsoyo, A. (2024). Outdoor Thermal Comfort and Sustainability of Urban Village Life in The Small Ancient City at Tropic Area Yogyakarta, Indonesia: Approach with ENVI-Met. *Journal of Sustainable Architecture and Civil Engineering*, *3*(36), 130–143. https://doi.org/10.5755/j01.sace.36.3.33281

Rastegar, Z., Ravandi, M. R. G., Zare, S., Khanjani, N., & Esmaeili, R. (2022). Evaluating the effect of heat stress on cognitive performance of petrochemical workers: A field study. *Heliyon*, *8*(1), e08698. https://doi.org/10.1016/j.heliyon.2021.e08698

Salvucci, D. D., Taatgen, N. A., & Borst, J. P. (2009). Toward a unified theory of the multitasking continuum: From concurrent performance to task switching, interruption, and resumption. *SIGCHI Conference on Human Factors in Computing Systems*, 1819–1828. https://doi.org/10.1145/1518701.1518981

Santos, F., Rabbani, E. K., & Matos, D. (2025). Asphalt Pavement Materials Management to Reduce Urban Heat Island Effetcs : A Review. *Journal of Management and Sustainability*, *15*(1), 51–62. https://doi.org/10.5539/jms.v15n1p51

Statsenko, Y., Habuza, T., Gorkom, K. N., Zaki, N., & Almansoori, T. M. (2020). Applying the Inverse Efficiency Score to Visual – Motor Task

UNIVERSITAS
GADJAH MADA
Pengaruh Thermal dan Multi-task terhadap Situation Awareness Pejalan Kaki
Aghnia Salsa Az Zahra, Ir. Rini Dharmastiti, M.Sc., Ph.D., IPM., ASEAN Eng.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

for Studying Speed-Accuracy Performance While Aging. *Front. Aging Neurosci*, *12*, 574401. https://doi.org/10.3389/fnagi.2020.574401

Sun, B., Wu, J., Li, C., Shen, S., Han, X., & Hu, Z. (2025). Skin temperature indices to evaluate thermal perceptions and cognitive performance in cold environments. *Energy & Buildings*, *332*, 115425. https://doi.org/10.1016/j.enbuild.2025.115425

Sun, Y., Zhang, H., Yan, Y., Lan, L., Cao, T., Lian, Z., Fan, X., Wargocki, P., Zhu, J., & Xu, X. (2022). Comparison of wrist skin temperature with mean skin temperature calculated with Hardy and Dubois ' s seven-point method while sleeping. *Energy & Buildings*, *259*, 111894. https://doi.org/10.1016/j.enbuild.2022.111894

Vandierendonck, A. (2018). Further Tests of the Utility of Integrated Speed-Accuracy Measures in Task Switching. *Journal of Cognition*, *1*(1), 1–16. https://doi.org/10.5334/joc.6

Wickens, C. D. (2008). Multiple resources and mental workload. *Human Factors*, *50*(3), 449–455. https://doi.org/10.1518/001872008X288394

Zhai, X., Huang, H., Sze, N. N., Song, Z., & Kwong, K. (2019). Diagnostic analysis of the effects of weather condition on pedestrian crash severity. *Accident Analysis and Prevention*, *122*, 318–324. https://doi.org/10.1016/j.aap.2018.10.017