

REFERENCE LIST

- Adisasmita, S. A. 2012. *Perencanaan Infrastruktur Transportasi Wilayah*. Yogyakarta: Graha Ilmu.
- Albany-Ward, K. and Sobande, M. 2015. What do you really know about colour blindness?. *British Journal of School Nursing*, Vol **10** No. 4, 197-199.
- Ali, Z., and Bhaskar, S. B. 2016. Basic statistical tools in research and data analysis. *Indian journal of anaesthesia*, **60**(9), 662.
- Allard, J. 2009. *The Design of Public Transport Maps*. Milan: Politecnico di Milano
- Almalki, S. 2016. Integrating Quantitative and Qualitative Data in Mixed Methods Research-- Challenges and Benefits. *Journal of education and learning*, **5**(3), 288-296.
- Ananto, B.S., Sari, R.F. and Harwahyu, R. 2011. Color transformation for color blind compensation on augmented reality system. *International Conference on User Science and Engineering (i-USEr)* (pp. 129-134). IEEE.
- Baker, R., Brick, J. M., Bates, N. A., Battaglia, M., Couper, M. P., Dever, J. A., Gile, J. K. and Tourangeau, R. 2013. Summary report of the AAPOR task force on non-probability sampling. *Journal of survey statistics and methodology*, **1**(2), 90-143.
- Berlepsch, H. J., Böttger, C., Brehl, S., Breithaupt, M., Dewes, M., Ebel, S., Follmann, I. J., Jacob, P. et al. 2018. *Public Transport Integration and Transit Alliances*. Eschborn: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.
- Brilliant Maps. 2023. *7 Tube Maps Only the Colour Blind Will Truly Appreciate*. [Accessed 27 June 2023]. Available from: <https://brilliantmaps.com/>
- Burgstahler, S. (2021a). *Universal Design of Instruction*. Seattle: University of Washington.
- Burgstahler, S. (2021b). *Universal Design: Process, Principles, and Applications*. Seattle: University of Washington.
- Cambridge Dictionary. 2023. *Meaning of respondent in English*. [Online]. [Accessed 27 June 2023]. Available from: <https://dictionary.cambridge.org/>
- Chakrabarti, S. 2018. Psychosocial aspects of colour vision deficiency: Implications for a career in medicine. *National Medical Journal of India*, **31**(2).
- Chan, X. B. V., Goh, S. M. S., & Tan, N. C. 2014. Subjects with colour vision deficiency in the community: what do primary care physicians need to know?. *Asia Pacific Family Medicine*, **13**(1), 1-10.
- Cheng, Y.-H., and Chen, S.-Y. 2015. Perceived Accessibility, Mobility, and Connectivity of Public Transportation Systems. *Transportation Research Part A: Policy and Practice*, **77**, 386-403.



- Chikkala, R., Edara, S., & Bhima, P. 2019. Human facial image age group classification based on third order four-pixel pattern (TOFP) of wavelet image. *Int. Arab J. Inf. Technol.*, **16**(1), 30-40.
- Cole, B. L. 2004. The handicap of abnormal colour vision. *Clinical and Experimental Optometry*, **87**(4-5), 258-275.
- Cole, B. L. 2007, Assessment of inherited colour vision defects in clinical practice. *Clinical and Experimental Optometry*, **90** (3), 157-175.
- Color-Blindness. 2006. *Subway Maps*. [Accessed 27 June 2023]. Available from: <https://www.color-blindness.com/>
- Corel Draw. 2023. *Corel Draw: Professional graphic design software*. [Online]. [Accessed 25 June 2023]. Available from: <https://www.jakarta.go.id/>
- Das, A. M., Ladin, M. A., Ismail, A., and Rahmat, R. O. 2013. Consumers satisfaction of public transport monorail user in Kuala Lumpur. *Journal of Engineering Science and Technology*, **8**(3), 272-283.
- Das, K. R., and Imon, A. H. M. R. 2016. A brief review of tests for normality. *American Journal of Theoretical and Applied Statistics*, **5**(1), 5-12.
- Department of Settlements and Regional Infrastructure Indonesia. 2023. *The History of Indonesian Spatial Planning*. Jakarta: Citra Kreasi.
- Direnga, J., Timmermann, D., Brose, A., and Kautz, C. 2014. A statistical method for assessing teaching effectiveness based on non-identical pre-and post-tests. *Proceedings of the SEFI 2014 Annual Conference, Birmingham, UK, Sep.*
- Doody, O. and Doody, C. M. 2015. Conducting a pilot study: Case study of a novice researcher. *British journal of nursing*, **24**(21), 1074-1078.
- El Din, H. S., Shalaby, A., Farouh, H. E., and Elariane, S. A. 2013. Principles of urban quality of life for a neighborhood. *HBRC journal*, **9**(1), 86-92.
- Emerson, R. W. 2015. Convenience sampling, random sampling, and snowball sampling: How does sampling affect the validity of research?. *Journal of Visual Impairment & Blindness*, **109**(2), 164-168.
- Engeset, R. V., Pfuhl, G., Orten, C., Hendrikx, J., and Hetland, A. 2022. Colours and maps for communicating natural hazards to users with and without colour vision deficiency. *International Journal of Disaster Risk Reduction*, **76**, 103034.
- Etikan, I., Alkassim, R. and Abubakar, S. 2016a. Comparison of snowball sampling and sequential sampling technique. *Biometrics and Biostatistics International Journal*, **3**(1), 55.
- Etikan, I., Musa, S. A., & Alkassim, R. S. 2016b. Comparison of convenience sampling and purposive sampling. *American journal of theoretical and applied statistics*, **5**(1), 1-4.



- Flatla, D. R. and Gutwin, C. 2012. " So that's what you see" building understanding with personalized simulations of colour vision deficiency. In *Proceedings of the 14th international ACM SIGACCESS conference on Computers and accessibility* (pp. 167-174).
- Fraunfelder, F. T., Fraunfelder, F. W., and Chambers, W. A. 2014. *Drug-Induced Ocular Side Effects: Clinical Ocular Toxicology E-Book: Clinical Ocular Toxicology*. Elsevier Health Sciences.
- Githui, J. N., Okamura, T., and Nakamura, F. (2009). The structure of users' satisfaction on urban public transport service in developing country: the case of Nairobi. In *Proceedings of the Eastern Asia Society for Transportation Studies Vol. 7 (The 8th International Conference of Eastern Asia Society for Transportation Studies, 2009)* (pp. 232-232). Eastern Asia Society for Transportation Studies.
- Greenland, S., Senn, S. J., Rothman, K. J., Carlin, J. B., Poole, C., Goodman, S. N., and Altman, D. G. 2016. Statistical tests, P values, confidence intervals, and power: a guide to misinterpretations. *European journal of epidemiology*, 31, 337-350.
- Grujičić, D., Ivanović, I., Jović, J., and Đorić, V. 2014. Customer perception of service quality in public transport. *Transport*, 29(3), 285-295.
- Health Direct. 2022. [Online]. Colour blindness. [Accessed 17 May 2023]. Available from: <https://www.healthdirect.gov.au/>
- Hui, V., and Habib, K. N. 2014. *An investigation of transport-related social exclusion of the at-risk community (homeless people) in Toronto, Canada* (No. 14-1575).
- Indonesia Health Research and Development Agency [IHRD]. 2008. *National Report on Basic Health Research 2007*. Jakarta: Ministry of Health of Indonesia.
- Indonesian Central Bureau of Statistics [ICBS]. 2022. *Total Population of DKI Jakarta Province by Age Group and Sex 2019-2021*. [Online]. [Accessed 4 February 2023]. Available from: <https://jakarta.bps.go.id/>
- Indonesian Central Bureau of Statistics [ICBS]. 2023. *Mid-Year Population (Thousand), 2021-2023*. [Online]. [Accessed 14 May 2023]. Available from: <https://bps.go.id/>
- Indonesian Central Bureau of Statistics [ICBS]. 2023. *Mid-Year Population (Thousand), 2021-2023*. [Online]. [Accessed 14 May 2023]. Available from: <https://bps.go.id/>
- Institute for Transportation and Development Policy [ITDP]. 2021. *Lessons Learned from Jakarta's Journey to Integrated and Resilient Transport Systems*. New York: ITDP
- International Business Machines (IBM) Corporation. 2023. *IBM SPSS Software* [Online]. [Accessed 20 June 2023]. Available from: <https://www.ibm.com/>
- Jakarta Department of Transport. 2023. *Transportation Mode*. [Online]. [Accessed 15 May 2023]. Available from: <https://www.jakarta.go.id/>



- Jakarta Metropolitan Transportation Discussion Forum. 2023. *Jakarta Public Transportation Integration Map*. [Online]. [Accessed 4 March 2023]. Available from: <https://www.transportforjakarta.com/>
- Jenny, B. 2020. *Color Oracle: Design for the Color Impaired*. [Online]. [Accessed 25 May 2023]. Available from: <https://colororacle.org/>
- Jenny, B. and Kelso, N. V. 2007a. Color design for the color vision impaired. *Cartographic perspectives*, (58), 61-67.
- Jenny, B. and Kelso, N.V., 2007b. Designing Maps for The Colour-Vision Impaired. *Bulletin of the Society of Cartographers*, **41**(1-2), pp.9-12.
- Jones, S., Murphy, F., Edwards, M. and James, J. 2008. Doing things differently: advantages and disadvantages of web questionnaires. *Nurse researcher*, **15**(4).
- Kemp. S. 2023. *Digital 2023: Indonesia*. [Online]. [Accessed 25 July 2023]. Available from: <https://datareportal.com/>
- Kim, T. K. 2015. T test as a parametric statistic. *Korean journal of anesthesiology*, **68**(6), 540-546.
- Klaus, H., Marano, D., Neuschmid, J., Schrenk, M. and Wasserburger, W. 2012. AccessibleMap: Web-based city maps for blind and visually impaired. In *Computers Helping People with Special Needs: 13th International Conference, ICCHP 2012, Linz, Austria, July 11-13, 2012, Proceedings, Part II 13* (pp. 536-543). Springer Berlin Heidelberg.
- Klopp, J. M., and Cavoli, C. 2019. Mapping minibuses in Maputo and Nairobi: engaging paratransit in transportation planning in African cities. *Transport Reviews*, **39**(5), 657-676.
- Lättman, K., Friman, M., and Olsson, L. E. 2016. Perceived accessibility of public transport as a potential indicator of social inclusion. *Social inclusion*, **4**(3), 36-45.
- Lind, D. A., Marchal, W. G., and Wathen, S. A. 2019. *Basic statistics for business & economics*. McGraw-Hill.
- Mehta, C. R., and Patel, N. R. 2012. *IBM SPSS exact tests*. New York: IBM Corporation.
- Mercer, M. E., Drodge, S. C., Courage, M. L., & Adams, R. J. 2014. A pseudoisochromatic test of color vision for human infants. *Vision research*, **100**, 72-77.
- Microsoft. 2023. *Microsoft Excel*. [Online]. [Accessed 25 June 2023]. Available from: <https://www.microsoft.com/>
- Muhammadiyah Surakarta University (MSU). 2021. *Frequency Measure in Epidemiology*. Surakarta: Muhammadiyah Surakarta University.
- Nag, D., Manoj BS, A. K. Goswami, and S. Bharule. 2019. *Framework for Public Transport Integration at Railway Stations and Its Implications for Quality of Life*. Tokyo: Asian Development Bank Institute.



- National Library of Medicine [NLM]. 2015. *Colour vision deficiency*. Bethesda: National Library of Medicine.
- Nayak, M. S. D. P. and Narayan, K. A. 2019. Strengths and weaknesses of online surveys. *technology*, **6**(7), 0837-2405053138.
- Neumann, A. 2014. A paratransit-inspired evolutionary process for public transit network design.
- Olsson, L. E., Gärling, T., Ettema, D., Friman, M., and Fujii, S. 2013. Happiness and satisfaction with work commute. *Social indicators research*, **111**, 255-263.
- Poliak, M., Mrnikova, M., Jaskiewicz, M., Jurecki, R., and Kaciakova, B. 2017. Public transport integration. *Communications-Scientific letters of the University of Zilina*, **19**(2), 127-132.
- Prabandari, A., Rahayu, R., and Farida, E. 2020. The Implementation of Indonesia's State Obligations in relation to the Rights of Persons with Disabilities in Aviation. *Proceedings of The International Conference on Environmental and Technology of Law, Business and Education on Post Covid 19, ICETLAWBE 2020, 26 September 2020, Bandar Lampung, Indonesia*.
- Pramesti, A. I. and Rahardjo, N. 2022. Design and Construction of a Colourblind-Friendly Surabaya City Angkot Route Map Prototype. *Cartographica: The International Journal for Geographic Information and Geovisualization*, **57**(3), 195-212.
- Pugliesi, E. A., and Decanini, M. M. 2011. Cartographic design of in-car route guidance for color-blind users. *International Cartographic Conference*.
- Ramadhan, G. R. and Buchori, I. 2018. Strategi Integrasi Sistem Transportasi Umum dalam Menunjang Pariwisata Kota Yogyakarta. *Jurnal Pengembangan Kota*, **6** (1): 84-95.
- Randolph, S. A. 2013. Color vision deficiency. *Workplace health & safety*, **61**(6), 280-280.
- Redman, L., Friman, M., Gärling, T., and Hartig, T. 2013. Quality attributes of public transport that attract car users: A research review. *Transport policy*, **25**, 119-127.
- Richmond Products. 2010. *Color Vision Deficiency: A Concise Tutorial for Optometry and Ophthalmology*. Albuquerque: Richmond Products Inc.
- Rodrigues, C. F. D. S., Lima, F. J. C. D., and Barbosa, F. T. 2017. Importance of using basic statistics adequately in clinical research. *Revista brasileira de anestesiologia*, **67**, 619-625.
- Rosyid, A., Setiawan, M. I., Nasihien, R. D., Razi, M. A. M., Isradi, M., Muchayan, A., Damayanti, E., Purworusmiardi, T., Harmanto, D., and Sukoco, A. 2021. Integrasi Transportasi Publik Dalam Mendukung Pembangunan Daerah. In *eMobility Sustainable Mobility Transportasi Publik dan Teknologi GIS mendukung peningkatan Pembangunan Daerah* (Pertama, pp. 8–25). IPEST.
- Sihota, R., and Tandon, R. 2011. *Parsons' diseases of the eye*. India: Elsevier.



- Simon K. M. and Goes. J. 2018. Dissertation and Scholarly Research: Recipes for Success, 2018 Edition. United States of America: Dissertation Success LLC.
- Simunovic, M. P. 2010. Colour vision deficiency. *Eye*, **24**(5), 747-755.
- Singpurwalla, D. 2017. A handbook of statistics: An overview of statistical methods.
- Skupien, K. 2013. *Colors and Mapping: The Right to Receive Information*. Florida: University of South Florida.
- Solecka, K., and Žak, J. 2014. Integration of the urban public transportation system with the application of traffic simulation. *Transportation Research Procedia*, **3**, 259-268.
- Statista. 2023. *Largest urban agglomerations worldwide in 2022, by population*. [Online]. [Accessed 2 June 2023]. Available from: <https://www.statista.com/>
- Sugiharto, R. 2021. The Traffic Ethics in Land Transportation. *KnE Social Sciences*, 353-362.
- Suwandhi, S. J. E., Utama, M. S., Budhi, M. K. S., and Yuliarmi, N. N. 2021. Optimization Of Mass Public Transportation System Based On Demand And Supply. *Nveo-Natural Volatiles & Essential Oils Journal| NVEO*, 14760-14777.
- Tamba, J., 2017. A Juridical Study Toward Indonesian Disabilities Right for Public Services Accessibility according to Law No. 8 Year 2016. *Indonesian Journal of Disability Studies*, **4**(1), pp.63-68.
- Thabane, L., Ma, J., Chu, R., Cheng, J., Ismaila, A., Rios, L. P., and Goldsmith, C. H. 2010. A tutorial on pilot studies: what, why and how. *BMC medical research methodology*, **10**(1), 1-10.
- TomTom. 2017. *TomTom Traffic Index 2017: Mexico City Retains Crown of Most Traffic Congested City in World*. Amsterdam: TomTom.
- Tyner, J. A. 2010. *Principles of Map Design*. New York: The Guilford Press.
- United Nations Educational, Scientific and Cultural Organization (UNESCO). 2017. *Assessment Tool for Inclusive Cities in Indonesia*. 2nd Version. Jakarta: UNESCO.
- Vahsen, O. 2022. *Mapping for Color blindness: High Contrast Dedicated color schemes*. [Online]. [Accessed 4 June 2023]. Available from: <https://www.tomtom.com/>
- Van Lierop, D., Badami, M. G., and El-Geneidy, A. M. 2018. What influences satisfaction and loyalty in public transport? A review of the literature. *Transport Reviews*, **38**(1), 52-72.
- Wahyuni, T. A. 2022. *DKI Jakarta Congestion Decreases: Now Ranks 46 Most Congested Cities in The World, This Is One of The Factors*. [Online]. [Accessed 4 February 2023]. Available from: <https://voi.id/>
- Yandikaputri, D. B., Isnaeni, H., Nuraeny, E. and Kusuma, N.R., 2021, February. The importance of inclusivity in supporting colour-blindness study case: Gelora Bung Karno. *IOP Conference Series: Earth and Environmental Science* (Vol. **673**, No. 1, p. 012041). IOP Publishing.



The Design of Colour Blind Friendly Transportation Map

Anugerah Fasikhullisan, Dr. Ir. Dewanti, M.S.; Prof. Dr.Techn. Ir. Danang Parikesit, M.Sc., IPU., ASEAN.Eng
Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

UNIVERSITAS
GADJAH MADA

Zimmerman, S., and Fang, K. 2015. *Public Transport Service Optimization and System Integration. China Transport Topics*. Washington: World Bank.