



DAFTAR PUSTAKA

- AASHTO, 2011. A Policy on Geometric Design of Highways and Streets, 2011 6th E. ed. American Association of State Highway and Transportation Officials, Washington DC. doi:10.1029/2004JC002361
- Akcelik R. & Besley. M. 2001. Acceleration and deceleration models. 23rd Conference of Australian Institute of Transport Research (CAITR 2001). Monash University, Melbourne.
- Badan Standarisasi Nasional-BSN. 2008. Standar Geometrik Jalan Bebas Hambatan untuk Jalan Tol. RSNI Standar Nasional Indonesia RSNI-T-11-2008. Jakarta
- Banks, James. H. 2004. Introduction to Transportation Engineering. 2nd Edition_International Edition. Mc. Graw Hill Serries in Transportation. New York.
- Bartlett, W., Baxter, A., Robar, N., 2007. Motorcycle Braking test: I.P.T.M. Data Through 2006. Accid. Reconstr. J. July-Augus, 19–21.
- Bokare & Maurya. 2014. Acceleration-Deceleration Behavior of Varius Vehicle Types. Academia. Dari: https://www.academia.edu/7840630/Acceleration-Deceleration_Behaviour_of_Various_Vehicle_Types, diakses pada tanggal 18/9/2015
- Brown, T.L., 2005. Adjusted Minimum Time-To-Collision (TTC): A Robust Approach to Evaluating Crash Scenarios. DSC North Am. 40–48.
- Cairney, P., Germanchev, A., 2006. A pilot study of the effects of macrotexture on stopping distance.
- Cardoso, J.L., Cristian, S., Elvik, R., Sorensen, M., 2005. Road Safety Inspections : best practice and implementation plan. European Union.
- Cardoso, J.L., Stefan, C., Elvik, R., Sorensen, M., 2007. Road Safety Inspections : Best Practice Guide Line and Implementation Step. RIPCORD-ISEREST, Contract N. 506184.
- Chen, C., Liu, L., Du, X., Pei, Q., Zhao, X., 2012. Improving driving safety based on safe distance design in vehicular sensor networks. Int. J. Distrib. Sens. Networks 2012. doi:10.1155/2012/469067



Chen, C.F., Chen, C.W., 2011. Speeding for fun? Exploring the speeding behavior of riders of heavy motorcycles using the theory of planned behavior and psychological flow theory. *Accid. Anal. Prev.* 43, 983–990. doi:10.1016/j.aap.2010.11.025

Chou, W., Chuang, P., 2013. Design of Drivers' Hazard Perception Context Test, in: Proceedings of the Eastern Asia Society for Transportation Studies.

Constantinou, E., Panayiotou, G., Konstantinou, N., Loutsou-Ladd, A., Kapardis, A., 2011. Risky and aggressive driving in young adults: Personality matters. *Accid. Anal. Prev.* 43, 1323–1331. doi:10.1016/j.aap.2011.02.002

Christianto. 2002. Perilaku Pengemudi Kendaraan Bermotor pada Simpang Tiga Tak Bersinyal dan Pengaruhnya terhadap Gap Kritis. Thesis Magister Sitem dan Teknik Transportasi. Fakultas Teknik Universitas Gadjah mada. Tidak dipublikasikan. Yogyakarta

Da Costa, D.G.N., 2012. Accident Risk Analysis of Motorcyclist, in: 15th International Symposium of the Indonesian Inter University Transport Studies Forum. Bekasi, Jakarta.

Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2017a. Pengelolaan Risiko Kecelakaan Lalu Lintas : Cakupan, Indikator, Strategi dan Teknik, in: Proceeding of the 2nd Symposium of The University Network for Indonesia Infrastructure Development. Universitas Sriwijaya Palembang, Palembang, Indonesia, pp. 195–203.

Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2017b. Identifikasi Faktor Pemicu Persepsi dan Sikap Toleran Pengendara terhadap Risiko Kecelakaan, in: Prosiding Simposium Forum Studi Transportasi Antar Perguruan Tinggi Ke-20. Universitas Hasanudin Makasar, Makasar, p. in press.

Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2016a. The Development of Traffic Accident Risk Management Method. *War. Penelit. Perhub.* 28, 377–388.

Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2016b. A Systematic Approach in Developing An Accident Risk Reduction Scheme, in: 6th International Annual Engineering Seminar.ISBN 978-1-5090-0741-7. Yogyakarta, Indonesia, pp. 13–18.

Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2016c. Motorcyclist risk taking behavior, in: Proceeding of the 19th International Symposium of FSTPT, Islamic University of Indonesia, 11-13 October 2016, ISBN: 979-95721-2-19. Yogyakarta, Indonesia, pp. 77–85.



DaCoTA, 2013. Speed and Speed Management.

Davoodi, S.R., Hamid, H., Pazhouhanfar, M., Muttart, J.W., 2012. Motorcyclist perception response time in stopping sight distance situations. *Saf. Sci.* 50, 371–377. doi:10.1016/j.ssci.2011.09.004

Donnelly M. dan Kell B.. 2006. Caring for Children and Families - Chapter 10. Accident Prevention. Edited by I. Peate and L. Whiting. John Wiley & Sons Ltd. UK.

Ecker, H., Vienna, J.W., Robert, G.H., Ag, B., Ag, R.R.S.S., Omv, M.G., 2001. Braking Deceleration of Motorcycle Riders, in: International Motorcycle Safety Conference. Orlando Florida, pp. 1–13.

Elizer, M., Gresham, P., Smith, and P., 2012. 2011 AASTHO“Green Book.” 2012 KYTC / FHWA / ACEC-KY Partnering Conf. Louisv. , Kentucky.

Fambro, D., Fitzpatrick, K., Koppa, R., 1997. NCHRP Report 400: Determination of Stopping Sight Distance. National Academy Press, Washington DC.

Fitch G.M., Blanco M, Morgan J.F., Wharton A.E. 2010. Driver Braking Performance to Surprise and Expected Events. Proceeding of the Human factor and Ergonomics Society 54th Annual Meeting.

Gaudry, M., & Lassare, S., 2000. Structural Road Accident Models. The International DRAG Family. 1st Edition. Pergamon. US.

Green, D. 2006. A Comparison of Stopping Distance Performance for Motorcycles Equipped with ABS, CBS and Conventional Hydraulic Brake Systems. International Motorcycle Safety Conference, Long Beach, California. March 28-30, 2006.

Hawort, N., Mulvihill, C., 2006. A comparison of hazard perception and responding in car drivers and motorcyclists, in: Proceedings 2006 International Motorcycle Safety Conference: The Human Element, Long Beach, California. Retrieved on: 20 August 2015. pp. 1–18.

Hewit, R.H. 1985. A Comparisson Between Some Methods of Measuring Critical Gap. *Traffic Engineering and Control.*

Hobbs, F.D. 1995. Perencanaan dan Teknik Lalu Lintas. Edisi 2. Gadjah Mada University Press. Yogyakarta.

Hornby, Parwell, Siswoyo. 1984. Kamus Inggris-Indonesia. Oxford University Press. PT Bentara Antar Asia. Penerebit Pustaka Ilmu. Jakarta



Hurst, L.M., 2011. Motorcyclist. A literature review and exploratory analysis of fatalities and serious injury collisions in relation to motorcyclists: Implications for education, engineering and enforcement initiatives.

Ivers, R., Senserrick, T., Boufous, S., Stevenson, M., Chen, H.Y., Woodward, M., Norton, R., 2009. Novice drivers' risky driving behavior, risk perception, and crash risk: Findings from the DRIVE study. *Am. J. Public Health* 99, 1638–1644. doi:10.2105/AJPH.2008.150367

Iversen, H., 2004. Risk-taking attitudes and risky driving behaviour. *Transp. Res.* 7, 135–150. doi:10.1016/j.trf.2003.11.003

Joewono, T.B., Vandebona, U., Susilo, Y.O., 2014. Behavioural Causes and Categories of Traffic Violations by Motorcyclists in Indonesian Urban Roads. *J. Transp. Saf. Secur.* 37–41. doi:10.1080/19439962.2014.952467

Johansson and Rumar. 1971. Drivers Brake Reaction Time. *Human Factor: the journal of the Human factors and Ergonomics Society*. Volume 13 (1).

Joshi, S., Bellet, T., Banet, A., Robger, L., Turetscheck, C., Risser, R., Golias, J., Yannis, G., Spyropoulou, I., Carvalhais, J., Leden, L., Vasek, J., Delhaye, A., Robeboreck, H., Underwoord, G., Humphrey, K., 2010. Understanding risk taking behaviour within the context of PTW riders. Paris.

Kementrian Perhubungan, 2015. Peraturan Menteri Perhubungan Nomor:111 Tahun 2015 tentang Tata Cara Penetapan Batas Kecepatan. Departemen Perhubungan Republik Indonesia, Jakarta.

Khisty, C. J & Lall,B.,K. 2003. Dasar-Dasar Rekayasa Lalu Lintas., Jilid 1, Penerbit Erlangga, Jakarta

Knight, P.J., Iverson, D., Harris, M.F., 2012. Early driving experience and influence on risk perception in young rural people. *Accid. Anal. Prev.* 45, 775–781. doi:10.1016/j.aap.2011.10.005

Kokot, D., Rijavec, R., Ambroz, M., 2012. SURF8-Kokot-mod. Slovenia.

Kováčsová, N., Gesu, M. Di, Schwab, A.L., Toso, A., Gubitosa, M., Hagenzieker, M.P., Winter, J.C.F. De, 2015. A literature review on Human Factors research using motorcycle simulators. DSC 2015, Germany, pp. 1–3.

Lamble, D., Laakso, M., Summala, H., 1999. Detection thresholds in car following situations and peripheral vision: implications for positioning of visually demanding in-car displays. *Ergonomics* 42, 807–815. doi:10.1080/001401399185306



Layton, R., Dixon, K., 2012. Stopping Sight Distance (No. Kiewit-2012/02). Oregon.

Lee, J., 2009. Vehicle Inertia Impact on Fuel Consumption of Conventional and Hybrid Electric Vehicles Using Acceleration and Coast Driving Strategy. Vehicle Inertia Impact on Fuel Consumption of Conventional and Hybrid Electric Vehicles Using Acceleration and Coast Driv. Virginia Polytechnic Institute and State University. doi:10.4271/2009-01-1322

Lehmann, B.C.C., Haight, J.M., Michael, J.H., 2009. Effects of Safety Training on Risk Tolerance : An Examination of Male Workers in the Surface Mining Industry. J. SH&E Res. 4, 2.

Liu C., Chen C.L. 2009. An Analysis of Speeding-Related Crashes: Definition and Effects os Road Environment. National Hwy Traffic Safety Administration. Washinton D.C. Dari: <http://www-nrd.nhtsa.dot.gov/Pubs/811090.pdf>

Lopes, D.F., Oliveira, M.D., Bana, C.A., Morton, A., 2014. A MACBETH - Choquet approach for modelling interdependencies in decision aid contexts. Workshop of the IRIS project. Lisboa.

Lumba, P., Muthohar, I., Priyanto, S., 2017. Human Factors on Motorcyclists' Accidents Severity; Analysis Using Bayesian Network. Int. J. Eng. Technol. 9, 233–242. doi:10.21817/ijet/2017/v9i1/170901425

Malkhamah, S. 1999. Current Review on Traffic Conflict Techniques. Forum Teknik Jilid 23. No.3. Nopember 1999. Hal. 309-315.

Malkhamah, S., Suparma, L.B., da Costa, D.G.N., 2018. Accident Risk Management Based on Rider Braking Capability. Int. J. Adv. Sci. Eng. Inf. Technol.

Malkhamah, S., Tight, M., Montgomery, F., 2005. The Development of An Automatic Method of Safety Monitoring at Pelican Crossing. Accid. Anal. Prev. 37, 938–946. doi:10.1016/j.aap.2005.04.012

Maurya, A.K., Bokare, P.S., 2012. Study of Deceleration Behaviour of Different Vehicle Types. Int. J. Traffic Transp. Eng. 2, 253–270. doi:10.7708/ijtte.2012.2(3).07

McCuen RH, Ezzell EZ, Wong MK. 2011. Fundamentals of Civil Enggineering – An Introduction to the ASCE Body of Knowledge. Taylor and Francis Group - CRC Press. Boca Raton - USA



Michigan Gov, 2008. Brake Testing. Dari: https://www.michigan.gov/documents/msp/BrakeTesting-MSP_VehicleEval08_Web_221473_7.pdf diakses pada tanggal 18/9/2015

Mihradi, S., Golfianto, H., Mahyudin, A.I., Dirgantara, T., 2017. Head Injury Analysis of Vehicle Occupant in Frontal Crash Simulation : Case Study of ITB 's Formula SAE Race Car. *J. Eng. Technol. Sci.* 49, 534–545. doi:10.5614/j.eng.technol.sci.2017.49.4.8

Minderhoud M.M., Bovy P.H.L. 2001. Extended Time to Collision Measures for Road Traffic Safety Assessment. Pergamon-Elsevier. *Accident Analysis and Prevention.* 33 (2001) 89-97.

Moore, M., Zubay, D., 2013. Collision Avoidance Features: Initial Results.

Mortimer R.G., Segel L, Dugoff H, Campbell J.D., Jorgeson C.M., Murphy R.W. 1970. Brake Force Requirement Study: Driver-Vehicle braking Performance as a Function of Brake System Design Variables. Highway Safety Research Institute, University of Michigan.

Nassar, S.A., 1996. Integrated Road Accident Risk Model (ARM). University of Waterloo. doi:10.3102/00346543067001043

Nast Consulting, 2011. Project is initiated by ERA-NET ROAD D 3 . 1 Road Safety Inspection Schemes Review Version May 2011. Viena.

Navin, F., Ho, T., and Zein, S., 1999. Road Safety Audits in Canada: Early Success Stories. Proceeding The 3rd International Conference on Accident Investigation, Reconstruction, Interpretation and the Law. Pages 59-67. AIRIL'99. Pretoria - South Africa, 25 – 28 Oktober 1999.

NHTSA. 2009. An Analysis of Speeding-Related Crashes: Definitions and Effects of Road Environments. United State Department of Transportation. DOTS HS 811 090. Virginia. <http://www-nrd.nhtsa.dot.gov/Pubs/811090.pdf>

NPRA_Norwegian Public Road Administrative. 2014. Road Safety Audits and Inspections Manual-V720E. Directorate of Public Road. ISBN: 82-7207-599-7. Oslo.

NSW.Gov, 2012. Motorcycle ABS.

Nurdjanah, N. 2013. Dampak Operasi Sepeda Motor. Roundtable Discussion Puslitbang Perhubungan Darat dan Perkeretaapian. Badan Penelitian dan Pengembangan Kementerian Perhubungan. Jakarta.



Pemerintah Republik Indonesia, 2011. Rencana Umum Nasional Keselamatan (RUNK) Jalan 2011-2035. Jakarta.
doi:10.1017/CBO9781107415324.004 Pokorný P. & Hrubý Z. 2010. Implementation of Road Safety Audit and Inspection in the Czech Republic. Advanced in Transportation Studies: an International Journal.

Putranto, L.S., 2015. Pengaruh Media Kampanye Keselamatan Jalan terhadap Sikap Pengemudi Sepeda Motor. Kuliah Umum Jurusan Teknik Sipil Universitas Syah Kuala, Aceh.

Putranto, L.S., Rostiana, 2016. The Effect of Type of Traffic Safety Campaign Material to Attitude Change of Motorcyclist among Undergraduate University Students in Indonesia, in the proceeding of the 10th APTE Conference 2016, Kuala Lumpur

Ramli, R., Oxley, J., Noor, F.M., Abdullah, N.K., Mahmood, M.S., Tajuddin, A.K., McClure, R., 2014. Fatal injuries among motorcyclists in Klang Valley, Malaysia. J. Forensic Leg. Med. 26, 39–45. doi:10.1016/j.jflm.2014.06.007

Range Safety Group, 2002. Common Risk Criteria for National Test Ranges - Standard 321-02. New Mexico.

Rieder, R., Bapperling, S.-L., 2011. Heinrich Triangle for Ground Operation. J. Syst. Saf. 47, 23–28.

Riduwan. 2004. Metode dan Teknik Menyusun Tesis. Edisi kedua. Penerbit Alfabeta, Bandung

Salter. 1981. Highway Traffic Analysis and Design. MacMillan Press LTD. London

SANRAL_South African National Road Agency Limited. 2002. Geometric Design Guidelines. Pretoria – South Africa.

Santosa, S.P., Mahyuddin, A.I., Sunoto, F.G., 2017. Anatomy of Injury Severity and Fatality in Indonesian Traffic Accidents. J. Eng. Technol. Sci. 49, 412–422. doi:10.5614/j.eng.technol.sci.2017.49.3.9

Schroeder, P., Kostyniuk, L., Mack, M., 2013. 2011 National Survey Of Speeding Attitudes and Behaviors. Washington DC.

Schweinle, A., Bjornestad, A., 2009. Flow Theory. Factors Influencing Flow And Motivational Consequences . Major Research Methods. Implications for Teachers. Dari : <http://www.education.com/pdf/flow-theory/> diakses pada tanggal 01 September 2015



Siswanto, J., Teguh, J., 2008. Analisis Kebutuhan Jenis Fasilitas Penyeberangan Jalan Berdasarkan Gap Kritis (Studi Kasus PT . Sido Muncul Ungaran – Jawa Tengah). Media Komun. Tek. Sipil 16, 148–159.

Smith, S.S., Horswill, M.S., Chambers, B., Wetton, M., 2009. Hazard perception in novice and experienced drivers: The effects of sleepiness. Accid. Anal. Prev. 41, 729–733. doi:10.1016/j.aap.2009.03.016

Smith, T., Garet, S., Cicchino, J., 2013. The Effect of Sight Distance Training on the Visual Scanning of Motorcycle Riders: A Preliminary Look, NHTSA. Washington DC.

Stikar, J., Hoskovec, J., Smolikova, J., 2008. Definition of System. Stud. Psicol. 50, 217–226.

Stuster J, Coffman Z, Warren D. 1998. Synthesis of Safety Research Related to Speed and Speed Management. FHWA-RD-98-154. Dari: <http://www.tfhrc.gov/safety/speed/spdtoc.htm>

Suhardi, 2012. Implementasi Program Keselamatan Jalan-dipresentasikan pada acara peringatan hari Korban Kecelakaan Sedunia, Jakarta 21 November 2012.

Supratman, A. 2004. Perbandingan Model Andressen dan Model Artificial Neural Network dalam Prediksi Fatalitas Korban Kecelakaan Lalu Lintas. Thesis Magister Sistem dan Teknik Transportasi, Universitas Gadjah Mada. Tidak dipublikasikan. Yogyakarta

Susantono, B. 2013. Indonesia Environmentally Sustainable Transport-Keynote Speaker Paper. Indonesia Environmentally Sustainable Transport Seminar. Denpasar-Bali.

Susilo, Y.O., Joewono, T.B., Vandebona, U., 2015. Reasons underlying behaviour of motorcyclists disregarding traffic regulations in urban areas of Indonesia. Accid. Anal. Prev. 75. doi:10.1016/j.aap.2014.12.016

Sutomo, H. 2009. Pengantar Keselamatan Lalu Lintas-Openning the Windows. Workshop Accident Analysis dan Prevention. Forum Studi Transportasi antar Perguruan Tinggi Indonesia, 14 Nopember 2009. Universitas Kristen Petra. Surabaya

Sutrisno Hadi, 1991. Statistik Jilid II. Cetakan XII. Penerbit Andi Offset. Yogyakarta

Tamin O.Z., 1999. Perencanaan dan Pemodelan Transportasi. Penerbit Ganesha. Bandung



Tanner. 1962. A Theoretical Analysis of Delays at An Uncontrolled Intersection. *Biometrika*

Tentero, R., Timboeleng, J.A., Rumayar, A.L.E., 2015. Kebutuhan Fasilitas Penyeberangan Jalan Berdasarkan Gap Kritis pada Ruas Jalan Wolter Monginsidi depan Freshmart Bahu Mall Manado. *J. Sipil Statik* 3, 583–589.

Ueckermann, A., Wang, D., Oeser, M., Steinauer, B., 2015. Calculation of skid resistance from texture measurements. *J. Traffic Transp. Eng. (English Ed.* 2, 3–16. doi:10.1016/j.jtte.2015.01.001

Underwood, P., Waterson, P., 2013. Systemic accident analysis : Examining the gap between research and practice. *Accid. Anal. Prev.* 55, 154–164. doi:10.1016/j.aap.2013.02.041

Vlahogianni, E.I., Yannis, G., Golias, J.C., 2012. Overview of critical risk factors in Power-Two-Wheeler safety. *Accid. Anal. Prev.* 49, 12–22. doi:10.1016/j.aap.2012.04.009

Walter, L., Broughton, J., 2011. Effectiveness of speed indicator devices : An observational study in South London. *Accid. Anal. Prev.* 43, 1355–1358. doi:10.1016/j.aap.2011.02.008

WHO, 2008. Speed management: a road safety manual for decision-makers and practitioners. Global Road Safety Partnership, Geneva, Switzerland.

Winkelbauer, M., Vavryk, K., 2015. Braking Performance of Experienced and Novice Motorcycle Riders - Results of a Field Study.

Wong, J.T., Chung, Y.S., Huang, S.H., 2010. Determinants behind young motorcyclists' risky riding behavior. *Accid. Anal. Prev.* 42, 275–281. doi:10.1016/j.aap.2009.08.004

Woratanarat, P., Ingsathit, A., Chatchaipan, P., Suriyawongpaisal, P., 2013. Safety riding program and motorcycle-related injuries in Thailand. *Accid. Anal. Prev.* 58, 115–121. doi:<http://dx.doi.org/10.1016/j.aap.2013.05.000>

WYG Engineering, 2012. Road Safety Inspection Specific Project Result 12B (Revised Final) July , 2009. Beograd, Serbia.