DAFTAR PUSTAKA

- A Ceder and I Reshetnik, (2001), *An algorithm to minimize queues at signalized intersections*, Journal of the Operational Research Society 52, 615-622
- A Policy on Geometric Design of Highways and Streets, (1990), American Association of State Highways and Transportation Officials.
- Afshar N & Azadivar F, (1992), A Simulation Study Of Traffic Control Procedures At Highway Work Zones, Proceedings of the 1992 Winter Simulation Conference
- Ahmed Al-Kaisy and Eric Kerestes (2006), Evaluation of The Effectiveness of Single-Lane Two-Way Traffic Control At Maintenance And Reconstruction Zones, Canadian Journal of Civil Engineering; Sep 2006; 33, 9; ProQuest Science Journals pg. 1217
- Ahmed Al-Kaisy and Fred Hall (2003), *Guidelines for Estimating Capacity at Freeway Reconstruction Zones*, Journal of Transportation Engineering, Vol. 129, No. 5, September 1, 2003. ©ASCE, ISSN 0733-947X/2003/5-572–577
- Akcelik, R. (1981), *Traffic Signals: Capacity And Timing Analysis*, Research Report ARR No. 123, Australian Road Research Board, Melbourne: 12–22.
- Akcelik, R. (2000), *AaSIDRA User Guide*. Victoria: Akcelik & Associates Pty. Ltd.
- Azhar Al-Mudhaffar, (2006), Impacts of Traffic Signal Control Strategies,
 Doctoral Thesis, Dept. Of Transport and Economics, School of Architecture
 Built Environment, and Royal Institute of Technology (KTH), Stockholm,
 Swedenn.
- Bonneson J.A, Middleton D, Zimmerman K, Charara H, Abbas M, (2002), Intelligent Detection-Control System For Rural Signalized Intersections, TTI 4022-2.
- Bonneson James A., P.E. and Sangsoo Lee, (2000), *Actuated Controller Settings For The Diamond Interchange With Three-Phase Operation*, Texas Transportation Institute

Universitas Indonesia

- Bonneson, J.A., (1994), *Manual of Traffic Detector Design*. Civil Engineering Department, University of Nebraska, Lincoln, Nebraska.
- Bonneson, J.A., P.T. McCoy, and B.A. Moen, (1994) Traffic Detector Design and Evaluation Guidelines. Report No. TRP-02-31-93. Nebraska Dept. of Roads, Lincoln, Nebraska.
- Carl Shaflik, PEng (1995), *Traffic Signal Detector Locations Proper Positioning Increases Efficiency & Safety*, Department of Civil Engineering, University of British Columbia
- Chang TH and Lin JT (2000), *Optimal Signal Timing For An Oversaturated Intersection. Journal of Transportation*, Res 34B: 471–491.
- Chien S and Chowdhury S, (2000), *Simulation-Based Estimates of Delay at Freeway Work Zones*, 80th Annual Meeting, Transportation Research Board.
- Chien S and Schonfeld, (2001), Optimal Work Zone Lengths for Four Lane Highways, Journal of Transportation Engineering, Vol.127, No.2, March/April,2001.
- Daniels Ginger et al, (2000), *Feasibility of Portable Traffic Signals to Replace Flaggers in Maintenance Operation*, Texas Transportation Institute.
- Daniels Ginger et al, (2000), *Guidelines For The Use Of Portable Traffic Signals* In Rural Two-Lane Maintenance Operations, Texas Transportation Institute.
- Departemen Pekerjaan Umum (1997), Manual Kapasitas Jalan Indonesia, Jakarta.
- Department for Transport, Local Government and the Regions, (2002), Code of Practice - Safety At Street Works And Road Works, The National Assembly for Wales
- Gazis, D.C., (1964), *Optimal control of a system of oversaturated intersections*, Operations Research 12, 815-831.
- Green, D.H., (1966), *The Simulation of Some Simple Control Policies for a Signalized Intersection*, Operational Research Vol. 17, No. 3 (Sep., 1966), pp. 263-277
- Green, D.H., (1968), *Control of Oversaturated Intersections*, Operational Research Quarterly 18 (2), 161-173.

- Hong Li and Panos D. Prevedouros, (2004), Traffic Adaptive Control for Oversaturated Isolated Intersections: Model Development and Simulation Testing, Journal of Transportation Engineering, Vol. 130, No. 5, September 1, 2004. ©ASCE, ISSN 0733-947X/2004/5-1–8
- Kell, J.H., and I.J. Fullerton. (1982), *Manual of Traffic Signal Design*. Prentice-Hall, Englewood Cliffs, New Jersey.
- Kim Taehyung et al, (2001), *A New Methology to Estimate Capacity for Freeway Workzones*, 2001 TRB Annual Meeting, Washington DC.
- Kuhne R and Michalopoulos P, *Continuum Flow Models*, University of Minnesota Institute of Technology, Minneapolis.
- Leong Lee Vien, Wan Hashim Wan Ibrahim and Ahmad Farhan Mohd Sadullah, (2005), *Determination of Ideal Saturation Flow at Signalized Intersections under Malaysian Road Conditions*, Journal of Transportation Science Society of Malaysia 1, 26-37
- Liu et al, (2001), On Line Traffic Signal Control Scheme with Real Time Delay Estimation Technology, University of California Irvine.
- Liu et al, (2002), Adaptive Signal Control System with On-line Performance Measure for Single Intersection, California PATH Working Paper UCB-ITS-PWP-2002-5
- Mahalel et al., (1991), *Manual Versus Automatic Operations of Traffic Signals*, Transportation Research 24-A (1991), pp. 121-127
- Martinelly D R and Xu Danquing, (1996), *Delay Estimation and Optimal Length* for Four Lane Divided Freeway Workzones, Journal of Transportation Engineering, Vol.127, No.2, March/April, 1996.
- May A.D, (1990), *Traffic Flow Fundamentals*, Prentice Hall, Englewood Cliffs, New Jersey.
- Menendez M & Daganzo C, (2003), Assessment of the Impact of Incidents Near Bottlenecks, Strategies to Reduce Delay, Transportation Research Board.
- Michalopoulos PG, and Stephanopoulos G (1977), *Oversatured signal systems* with queue length constraints - I: Single intersection, Transportation Research Vol. 11: 413-421.

- Michalopoulos PG, and Stephanopoulos G (1977), Oversatured signal systems with queue length constraints - II: Single intersection, Transportation Research Vol. 11: 423-428.
- Middleton, D., R. L. Nowlin, M. Shafer, A. H. Parham, and D. Jasek. (1997), Evaluation of Detector Placement for High-Speed Approaches to Signalized Intersections, Report No. TX-98/3977-1. Texas Department of Transportation, Austin, Texas, September.
- Pignataro, L.J. et al, (1978), *Traffic Control in Oversaturated Conditions*, NCHRP Report no. 194, TRB, DC.
- Rakha and Mohamadreza Farzaneh, (2006), *Issues and Solutions to Macroscopic Traffic Dispersion Modeling*, Journal of Transportation Engineering, Vol. 132, No. 7, July 1, 2006. ©ASCE, ISSN 0733-947X/2006/7-555–564
- Road Research Laboratory. 1963. A Method for Measuring Saturation Flow at Traffic Signals. Department of Scientific and Industrial Research, Road Note 34/196. HMSO, London: 1–13.
- Rodegerdts Lee A., (2004), *Signalized Intersections: Informational Guide*, FHWA-HRT-04-091, Federal Highway Administration
- Salter R J, (1988), *Highway Traffic Analysis and Design*, London, Macmillian Education Ltd.
- Schonfeld and Chien S, (1999), Optimal Work Zone Lengths for Two Lane Highways, Journal of Transportation Engineering, Vol. 125, No. 1, January/February, 1999. ASCE, ISSN 0733-947X/99/0001-0021-0029. Paper No. 15188.
- Shantanu Das and David Levinson, (2004), Queuing and Statistical Analysis of Freeway Bottleneck Formation, Journal of Transportation Engineering, Vol. 130, No. 6, November 1, 2004. ©ASCE, ISSN 0733-947X/2004/6-787–795
- Sheu J B, (2003), A Stochastic Modeling Approach To Real-Time Prediction Of Queue Overflows, Transportation Science; Feb 2003; 37, 1; ABI/INFORM Global pg. 97
- Skszek S L, (2001), "State of Art" Report on Non Traditional Traffic Counting Methods, Arizona department of Transportation.

- Talmor I and Mahalel D, (2007), *Signal Design For An Isolated Intersection During Congestion*, Journal of the Operational Research Society 58, 454–466.
- *Texas Manual on Uniform Traffic Control Devices.* Texas Department of Transportation, Austin, Texas, 1980 (Revision 6, January 1996).
- Tian Zhili, (2002), *Capacity Analysis of Traffic Actuated Intersection*, Thesis, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology.
- *Traffic Engineering Handbook, Fourth Edition.* (1992), Institute of Transportation Engineers, Prentice Hall.
- Transportation Research Board, (2000), *Highway Capacity Manual*, National Research Council, Washington, D.C.
- United States Department of Transportation (1988), Manual on Uniform Traffic Control Devices, Federal Highway Administration.
- University Of Utah Department Of Civil And Environmental Engineering, (2003), Traffic Detector Selection Procedure, Report No. UT-03.30,2003
- US Department of Transportation (1989), Workzone Traffic Management Synthesis:Work Zone Pedestrian Protection, Publication No. FHWA-TS-89-035, Federal Highway Administration
- Webster, F.V. & Cobbe, B.M. (1966) *Traffic Signals*. Road Research Technical Paper No. 56. London: HMSO.
- Widjajanti E (2006), Pengaruh Penyempitan Ruas Jalan Akibat Kegiatan Konstruksi Pada Badan Jalan Terhadap Kinerja Lalu Lintas, Simposium IX FSTPT, Universitas Brawijaya-Malang, Indonesia
- Widjajanti E et al (2006), *Pengaturan Lalu Lintas Pada Ruas Jalan Dua Ljur Dua Arah Yang Mengalami Penyempitan Akibat Pekerjaan di Jalan*, Konferensi Regional Teknik Jalan ke-9 Wilayah Timur, Makasar.
- Widjajanti E et al (2007), Traffic Control on Two Way Two Lane Roads Work Zones: A Case Study In Indonesia, Proceedings of the Eastern Asia Society for Transportation Studies, Vol.6, 2007
- Widjajanti E et al (2008), Optimum Adaptive Traffic Control on Saturated TwoWay Two Lane Roads Work Zones, Simposium XI FSTPT, DiponegoroUniversity-Semarang,Indonesia

Universitas Indonesia

DAFTAR LAMPIRAN

LAMPIRAN 1	Contoh Program Matlab	190
LAMPIRAN 2	Contoh Hasil Simulasi	196
LAMPIRAN 3	Penjelasan Hasil Simulasi	204
LAMPIRAN 4	Contoh Proses Pemilihan Waktu Hijau Optimum Dari Solusi Yang Memenuhi Syarat	209



Universitas Indonesia