DAFTAR PUSTAKA

[1] A. Toffler, *The Third Wave*, First Edition. William Morrow and Company, Inc., New York, 1980. ISBN 0-688-03597-3

[2] S. Syed-Abdul, J. Scholl, P. Lee, W.-S. Jian, D.-M. Liou, dan Y.-C. Li, "Study on the potential for delay tolerant networks by health workers in low resource settings," *Computer Methods and Programs in Biomedicine*, vol. 107, no. 3, pp. 557–564, Sep. 2012. doi: 10.1016/j.cmpb.2011.11.004. [Online]. Available: http://linkinghub.elsevier.com/retrieve/pii/S0169260711003099

[3] U. R. Ahuja, R. Jain, S. Chauhan, P. Narayan, dan K. R. Chaudhry, "Socio-Economic Impact of Mobile Phone in Agriculture: A Case Study of Karnal District," *Computing for Sustainable Global Development (INDIACom), 2015 2nd International Conference on*, no. (Date of Conference) 11-13 March 2015, pp. 1176 – 1179, 2015. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7100433

[4] S. Chaklader, J. Alam, M. Islam, dan A. S. Sabbir, "Bridging Digital Divide:'Village wireless LAN', a low cost network infrastructure solution for digital communication, information dissemination & education in rural Bangladesh," in *Advances in Electrical Engineering (ICAEE), 2013 International Conference on*. Dhaka, Bangladesh: IEEE, Dec. 2013. doi: 10.1109/ICAEE.2013.6750347. ISBN 978-1-4799-2463-9 pp. 277–281. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6750347

[5] F. Warthman dan W. Associates, "Delay-and Disruption-Tolerant Networks (DTNs): A Tutorial," *Interplanetary Internet Special Interest Group*, vol. 2, pp. 1–33, 2012.

[6] J. Crowcroft, E. Yoneki, P. Hui, dan T. Henderson, "Promoting Tolerance for Delay Tolerant Network Research," *ACM SIGCOMM Computer Communication Review*, vol. 38, no. 5, pp. 63–68, Sep. 2008. doi: 10.1145/1452335.1452345. [Online]. Available: http://doi.acm.org/10.1145/1452335.1452345

[7] A. G. Voyiatzis, "A Survey of Delay- and Disruption-Tolerant Networking Applications," *Journal of Internet Engineering*, vol. 5, no. 1, pp. 331–344, Jun.

2012. doi: 10.1.1.463.6280. [Online]. Available: http://www.jie-online.org/index.php/jie/article/view/91

[8] V. Cerf, S. Burleigh, A. Hooke, L. Torgerson, R. Durst, K. Scott, K. Fall, dan H. Weiss, "Delay-tolerant networking architecture," *RFC 4838*, Apr. 2007. doi: 10.17487/RFC4838. [Online]. Available: http://www.rfc-editor.org/info/rfc4838

[9] L. Wood, W. M. Eddy, dan P. Holliday, "A bundle of problems," in *2009 IEEE Aerospace Conference Proceedings*. Piscataway, NJ, USA: IEEE; Big Sky, MT: IEEE, Mar. 2009. doi: 10.1109/AERO.2009.4839384. ISBN 978-1-4244-2621-8 pp. 1–17.

[10] W. M. Eddy, "Assessing the Bundle Protocol (BP) and alternative approaches to data bundling in delay-tolerant networks (DTNs)," in *Advances in Delay-tolerant Networks (DTNs): Architecture and Enhanced Performance*, ser. Woodhead Publishing Series in Electronic and Optical Materials. Boston, MA: Elsevier, 2015, no. 67, pp. 139–157. ISBN 978-0-85709-840-5. [Online]. Available: http://dx.doi.org/10.1533/9780857098467.2.139

[11] A. S. Pentland, R. Fletcher, dan A. Hasson, "DakNet: Rethinking Connectivity in Developing Nations," *IEEE Computer*, vol. 37, no. 1, pp. 78–83, Jan. 2004. doi: 10.1109/MC.2004.1260729. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1319279

[12] S. Guo, M. Derakhshani, M. Falaki, U. Ismail, R. Luk, E. Oliver, S. U. Rahman, A. Seth, M. Zaharia, dan S. Keshav, "Design and implementation of the KioskNet system," *Computer Networks*, vol. 55, no. 1, pp. 264–281, Jan. 2011. doi: 10.1016/j.comnet.2010.08.001. [Online]. Available: http://linkinghub.elsevier.com/retrieve/pii/S1389128610002471

[13] E. M. Husni dan A. R. Sumarmo, "Delay tolerant network utilizing train for news portal and email services," in *Information and Communication Technology for the Muslim World (ICT4M), 2010 International Conference on*. IEEE, 2010, pp. G6–G10.

[14] E. M. Husni, "Rural Internet Service System based on Delay Tolerant Network (DTN) using train system," in *Electrical Engineering and Informatics, 2011 International Conference on*. Bandung, Indonesia: IEEE, July 2011.

[15] E. Husni dan A. Wibowo, "E-mail System for Delay Tolerant Network," in *System Engineering and Technology (ICSET), 2012 International Conference on*. Bandung: IEEE, Sep. 2012. doi: 10.1109/ICSEngT.2012.6339285. ISBN 978-1-4673-2375-8 pp. 1–7. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6339285

[16] R. Luk, M. Ho, dan P. M. Aoki, "A Framework for Designing Teleconsultation Systems in Africa," *Proceedings International Conference on Health Informatics in Africa (HELINA), Bamako, Mali*, vol. abs/0801.1925, pp. 1–5, Jan. 2007. [Online]. Available: http://arxiv.org/abs/0801.1925

[17] ——, "Asynchronous Remote Medical Consultation for Ghana," in *Proceedings of the twenty-sixth annual SIGCHI conference on Human factors in computing systems (CHI '08)*, ser. CHI '08. New York, NY, USA: ACM, 2008. doi: 10.1145/1357054.1357173. ISBN 978-1-60558-011-1 pp. 743–752. [Online]. Available: https://dl.acm.org/citation.cfm?id=1357173

[18] R. Luk, M. Zaharia, M. Ho, B. Levine, dan P. M. Aoki, "ICTD for healthcare in Ghana: two parallel case studies," in *2009 International Conference on Information and Communication Technologies and Development (ICTD)*. Doha: IEEE, Apr. 2009. doi: 10.1109/ICTD.2009.5426714. ISBN 978-1-4244-4662-9 pp. 118–128. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5426714

[19] A. Lindgren, A. Doria, J. Lindblom, dan M. Ek, "Networking in the Land of Northern Lights: Two Years of Experiences from DTN System Deployments," in *Proceedings of the 2008 ACM workshop on Wireless networks and systems for developing regions (WiNS-DR '08)*, ser. WiNS-DR '08. New York, NY, USA: ACM, 2008. doi: 10.1145/1410064.1410066. ISBN 978-1-60558-190-3 pp. 1–8. [Online]. Available: https://dl.acm.org/citation.cfm?id=1410066

[20] A. Lindgren dan P. Hui, "ExtremeCom: To Boldly Go Where No One Has Gone Before," *ACM SIGCOMM Computer Communication Review*, vol. 41, no. 1, pp. 54–59, Jan. 2011. doi: 10.1145/1925861.1925871. [Online]. Available: https://dl.acm.org/citation.cfm?id=1925871

[21] P. Ginzboorg, T. Kärkkäinen, A. Ruotsalainen, M. Andersson, dan J. Ott, "DTN Communication in a Mine," in *Extreme Workshop on Communication - The Himalayan Expedition (ExtremeCom*

2010), Sep. 2010, pp. 1–6. [Online]. Available: https://pdfs.semanticscholar.org/e5c4/213745640e05cc327243a28704fc520791ef.pdf;http://www.cl.cam.ac.uk/fb375/extremecom/2010/GinzboorgExtremeCom10.pdf

[22] P. Juang, H. Oki, Y. Wang, M. Martonosi, L. S. Peh, dan D. Rubenstein, "Energy-efficient Computing for Wildlife Tracking: Design Tradeoffs and Early Experiences with ZebraNet," *SIGARCH Comput. Archit. News*, vol. 30, no. 5, pp. 96–107, Oct. 2002. doi: 10.1145/635506.605408. [Online]. Available: https://dl.acm.org/citation.cfm?id=605408

[23] P. Zhang, C. M. Sadler, S. A. Lyon, dan M. Martonosi, "Hardware Design Experiences in ZebraNet," in *Proceedings of the 2nd International Conference on Embedded Networked Sensor Systems*, vol. (location) Baltimore, MD, USA. New York, NY, USA: ACM, 2004. doi: 10.1145/1031495.1031522. ISBN 1-58113-879-2 pp. 227–238. [Online]. Available: https://dl.acm.org/citation.cfm?id=1031522

[24] J. Burgess, B. Gallagher, D. Jensen, dan B. N. Levine, "MaxProp: Routing for Vehicle-Based Disruption-Tolerant Networks," in *INFOCOM*, ser. (ISSN) 0743-166X, vol. 6. Barcelona, Spain: IEEE, Apr. 2006. doi: 10.1109/INFOCOM.2006.228. ISBN 1-4244-0221-2 pp. 1–11. [Online]. Available: https://ieeexplore.ieee.org/document/4146881/;http://briangallagher.net/pubs/burgess-infocom-2006.pdf

[25] K. Zaragoza, N. Thai, dan T. Christensen, "An Implementation for Accessing Twitter Across Challenged Networks," in *Proceedings of the 6th ACM Workshop on Challenged Networks (CHANTS '11)*, vol. (location) Las Vegas, Nevada, USA. New York, NY, USA: ACM, 2011. doi: 10.1145/2030652.2030675. ISBN 978-1-4503-0870-0 pp. 71–72. [Online]. Available: https://dl.acm.org/citation.cfm?id=2030675

[26] A. Balasubramanian, Y. Zhou, W. B. Croft, B. N. Levine, dan A. Venkataramani, "Web Search from a Bus," in *Proceedings of the Second ACM Workshop on Challenged Networks (CHANTS '07)*, ser. CHANTS '07, vol. (location) Montreal, Quebec, Canada. New York, NY, USA: ACM, 2007. doi: 10.1145/1287791.1287803. ISBN 978-1-59593-737-7 pp. 59–66. [Online]. Available: https://dl.acm.org/citation.cfm?id=1287803

[27] S. B. Eisenman, E. Miluzzo, N. D. Lane, R. A. Peterson, G.-S. Ahn, dan A. T. Campbell, "BikeNet: A Mobile Sensing System for Cyclist Experience

Mapping," *ACM Transactions on Sensor Networks (TOSN)*, vol. 6, no. 1, pp. 6:1–6:39, Dec. 2009. doi: 10.1145/1653760.1653766. [Online]. Available: https://dl.acm.org/citation.cfm?id=1653766

[28] M. Niswar, Mukarramah, dan Agussalim, "Evaluasi kinerja protokol routing pada delay tolerant network," in *Hasil Penelitian Fakultas Teknik, Prosiding 2012*, vol. 6. Makassar, Indonesia: Group Teknik Elektro, Desember 2012. ISBN 978-979-127255-0-6

[29] H.-M. Lin, Y. Ge, A.-C. Pang, dan J. S. Pathmasuntharam, "Performance study on delay tolerant networks in maritime communication environments," in *OCEANS 2010 IEEE-Sydney*. Sydney, NSW: IEEE, May 2010. doi: 10.1109/OCEANSSYD.2010.5603627. ISBN 978-1-4244-5221-7 pp. 1–6. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5603627

[30] L. Lambrinos, C. Djouvas, dan C. Chrysostomou, "Applying delay tolerant networking routing algorithms in maritime communications," in *World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2013 IEEE 14th International Symposium and Workshops on a*. Madrid: IEEE, 2013. doi: 10.1109/WoWMoM.2013.6583440. ISBN 978-1-4673-5827-9 pp. 1–6. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6583440

[31] A. Vahdat dan David Becker, "Epidemic Routing for Partially-Connected Ad Hoc Networks," Technical Report CS-200006, Duke University, Tech. Rep., 2000. [Online]. Available: ftp://ftp.cs.duke.edu/dist/techreport/2000/2000-06.ps

[32] T. Spyropoulos, K. Psounis, dan C. S. Raghavendra, "Spray and Wait: An Efficient Routing Scheme for Intermittently Connected Mobile Networks," in *Proceedings of the 2005 ACM SIGCOMM workshop on Delay-tolerant networking*, vol. (address) New York, NY, USA. Philadelphia, Pennsylvania, USA: ACM, Jun. 2005. doi: 10.1145/1080139.1080143. ISBN 1-59593-026-4 pp. 252–259. [Online]. Available: https://dl.acm.org/citation.cfm?id=1080143

[33] A. Lindgren, A. Doria, dan O. Schelén, "Probabilistic routing in intermittently connected networks," *SIGMOBILE Mob. Comput. Commun. Rev.*, vol. 7, no. 3, pp. 19–20, Jul. 2003. doi: 10.1145/961268.961272. [Online]. Available: http://doi.acm.org/10.1145/961268.961272

[34] S. Grasic, E. Davies, A. Lindgren, dan A. Doria, "The evolution of a DTN routing protocol-PRoPHETv2," in *CHANTS '11 Proceedings of the 6th ACM workshop on Challenged networks*. Las Vegas, Nevada, USA: New York, NY, USA: ACM, Sep. 2011. doi: https://doi.org/10.1145/2030652.2030661. ISBN 978-1-4503-0870-0 pp. 27–30. [Online]. Available: https://dl.acm.org/citation.cfm?id=2030661

[35] P. Sok, S. Tan, dan K. Kim, "PRoPHET Routing Protocol Based on Neighbor Node Distance Using a Community Mobility Model in Delay Tolerant Networks," in *2013 IEEE 10th International Conference on High Performance Computing and Communications & 2013 IEEE International Conference on Embedded and Ubiquitous Computing*. Zhangjiajie, China: IEEE, Nov. 2013. doi: 10.1109/HPCC.and.EUC.2013.175. ISBN 978-0-7695-5088-6 pp. 1233–1240. [Online]. Available: http://ieeexplore.ieee.org/document/6832057/

[36] H.-J. Lee, J.-C. Nam, W.-K. Seo, Y.-Z. Cho, dan S.-H. Lee, "Enhanced PRoPHET routing protocol that considers contact duration in DTNs," in *2015 International Conference on Information Networking (ICOIN)*. Cambodia: IEEE, Jan. 2015. doi: 10.1109/ICOIN.2015.7057961. ISBN 978-1-4799-8342-1 pp. 523–524. [Online]. Available: http://ieeexplore.ieee.org/document/7057961/

[37] B. B. Bista dan D. B. Rawat, "EA-PRoPHET: An Energy Aware PRoPHET-Based Routing Protocol for Delay Tolerant Networks," in *2017 IEEE 31st International Conference on Advanced Information Networking and Applications (AINA)*. Taipei: IEEE, Mar. 2017. doi: 10.1109/AINA.2017.75. ISBN 978-1-5090-6029-0 pp. 670–677. [Online]. Available: http://ieeexplore.ieee.org/document/7920972/

[38] S. Schildt, J. Morgenroth, W.-B. Pöttner, dan L. Wolf, "IBR-DTN: A lightweight, modular and highly portable Bundle Protocol implementation," in *Electronic Communications of the EASST*, vol. 37. Citeseer, Jan. 2011. doi: 10.14279/tuj.eceasst.37.512 pp. 1–11. [Online]. Available: http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.431.2185

[39] J. Yao, S. S. Kanhere, dan M. Hassan, "Mobile Broadband Performance Measured from High-Speed Regional Trains," in *2011 IEEE Vehicular Technology Conference (VTC Fall)*. San Francisco, CA: IEEE, 2011. doi:

10.1109/VETECF.2011.6092874. ISBN 978-1-4244-8328-0 pp. 1–5. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6092874

[40] S.-Y. Chang, H.-T. Chiao, X.-Y. Yeh, dan M.-C. Tseng, "UDP-based file delivery mechanism for video streaming to high-speed trains," in *Personal Indoor and Mobile Radio Communications (PIMRC), 2013 IEEE 24th International Symposium on*. London: IEEE, 2013. doi: 10.1109/PIMRC.2013.6666768 pp. 3568–3572. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6666768

[41] B. Chen, Z. Zhong, B. Ai, K. Guan, R. He, dan D. G. Michelson, "Channel Characteristics in High-Speed Railway: A Survey of Channel Propagation Properties," *IEEE Vehicular Technology Magazine*, vol. 10, no. 2, pp. 67–78, Jun. 2015. doi: 10.1109/MVT.2015.2411031. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=7108127

[42] K. K. dan Informatika, "Kementerian kominfo sebarkan informasi bencana melalui media center," https://kominfo.go.id/content/detail/3774/kementerian-kominfo-sebarkan-informasi-bencana-melalui-media-center/0/berita_satker, 1 2014.

[43] ——, "Hingga 2014 kemkominfo telah bangun 195 media center daerah," https://kominfo.go.id/content/detail/4689/hingga-2014-kemkominfo-telah-bangun-195-media-center-daerah/0/berita_satker, 4 2015.

[44] ——, "Hibah aset 35 media center jadi milik daerah," https://kominfo.go.id/content/detail/6674/hibah-aset-35-media-center-jadi-milik-daerah/0/berita_satker, 2 2016.

[45] ——, "Kemenkominfo hibahkan media center pada 35 pemerintah kabupaten/kota," https://kominfo.go.id/content/detail/6681/kemenkominfo-hibahkan-media-center-pada-35-pemerintah-kabupatenkota/0/sorotan_media, 2 2016.

[46] ——, "Kementerian kominfo serahkan bantuan 20 kendaraan m-pustika roda dua dan roda empat," https://kominfo.go.id/content/detail/3735/kementerian-kominfo-serahkan-bantuan-20-kendaraan-m-pustika-roda-dua-dan-roda-empat/0/berita_satker, 1 2014.

[47] ——, "Yuk, intip isi mobil pintar kominfo," https://kominfo.go.id/content/detail/2457/yuk-intip-isi-mobil-pintar-kominfo/0/sorotan_media, 2 2013.

[48] ——, "Menteri desa: "layar desa" solusi keterbatasan informasi," https://kominfo.go.id/content/detail/4975/menteri-desa-layar-desa-solusi-keterbatasan-informasi/0/sorotan_media, 5 2015.

[49] R. J. Akbar dan R. A. Rachman, "74 ribu desa tertinggal akan dipasangi layar raksasa," http://bisnis.news.viva.co.id/news/read/624550-74-ribu-desa-tertinggal-akan-dipasangi-layar-raksasa, 5 2015.

[50] K. K. dan Informatika, "Media center untuk percepatan penyebaran informasi," https://kominfo.go.id/content/detail/7382/media-center-untuk-percepatan-penyebaran-informasi/0/berita_satker, 4 2016.

[51] M. Wijaya, "Kominfo bangun media center daerah," http://kantin.id/2016/12/10/kominfo-bangun-media-center-daerah/, 12 2016.

[52] R. Szewczyk, A. Mainwaring, J. Polastre, J. Anderson, dan D. Culler, "An analysis of a large scale habitat monitoring application," in *Proceedings of the 2nd international conference on Embedded networked sensor systems*. Baltimore, MD, USA: ACM New York, NY, USA ©2004, Nov. 2004. doi: 10.1145/1031495.1031521. ISBN 1-58113-879-2 pp. 214–226. [Online]. Available: http://dl.acm.org/citation.cfm?id=1031521

[53] M. J. Khabbaz, C. M. Assi, dan W. F. Fawaz, "Disruption-Tolerant Networking: A Comprehensive Survey on Recent Developments and Persisting Challenges," *IEEE Communications Surveys & Tutorials*, vol. 14, no. 2, pp. 607–640, May 2011. doi: 10.1109/SURV.2011.041911.00093. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=5770277

[54] H. Ochiai, H. Ishizuka, Y. Kawakami, dan H. Esaki, "A DTN-Based Sensor Data Gathering for Agricultural Applications," *IEEE Sensors Journal*, vol. 11, no. 11, pp. 2861–2868, Nov. 2011. doi: 10.1109/JSEN.2011.2170562. [Online]. Available: http://ieeexplore.ieee.org/document/6032706/

[55] L. Selavo, A. Wood, Q. Cao, T. Sookoor, H. Liu, A. Srinivasan, Y. Wu, W. Kang, J. Stankovic, D. Young, dan others, "Luster: wireless sensor

network for environmental research," in *Proceedings of the 5th international conference on Embedded networked sensor systems*. Sydney, Australia: ACM New York, NY, USA ©2007, Nov. 2007. doi: 10.1145/1322263.1322274. ISBN 978-1-59593-763-6 pp. 103–116. [Online]. Available: http://dl.acm.org/citation.cfm?id=1322274

[56] S. Gaito, D. Maggiorini, G. Rossi, dan A. Sala, "Bus switched networks: An ad hoc mobile platform enabling urban-wide communications," *Ad Hoc Networks*, vol. 10, no. 6, pp. 931–945, Aug. 2012. doi: 10.1016/j.adhoc.2011.12.005. [Online]. Available: http://linkinghub.elsevier.com/retrieve/pii/S1570870511002204

[57] M. Zarafshan-Araki dan K.-W. Chin, "TrainNet: A transport system for delivering non real-time data," *Computer Communications*, vol. 33, no. 15, pp. 1850–1863, Sep. 2010. doi: 10.1016/j.comcom.2010.06.008. [Online]. Available: http://linkinghub.elsevier.com/retrieve/pii/S0140366410002690

[58] J. P. Singh, N. Bambos, B. Srinivasan, dan D. Clawin, "Wireless LAN performance under varied stress conditions in vehicular traffic scenarios," in *Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall. 2002 IEEE 56th*, ser. (ISSN) 1090-3038, vol. 2. IEEE, 2002. doi: 10.1109/VETECF.2002.1040698. ISBN 0-7803-7467-3 pp. 743–747. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1040698

[59] X. Zhang, J. Kurose, B. N. Levine, D. Towsley, dan H. Zhang, "Study of a Bus-based Disruption-tolerant Network: Mobility Modeling and Impact on Routing," in *Proceedings of the 13th annual ACM international conference on Mobile computing and networking*, ser. MobiCom '07, vol. (address) New York, NY, USA. Montréal, Québec, Canada: ACM, 2007. doi: 10.1145/1287853.1287876. ISBN 978-1-59593-681-3 pp. 195–206. [Online]. Available: https://dl.acm.org/citation.cfm?id=1287876

[60] M. G. Rubinstein, F. B. Abdesslem, M. D. De Amorim, S. R. Cavalcanti, R. D. S. Alves, L. H. M. K. Costa, O. C. M. B. Duarte, dan M. E. M. Campista, "Measuring the capacity of in-car to in-car vehicular networks," *IEEE Communications Magazine*, vol. 47, no. 11, pp. 128–136, Nov. 2009. doi: 10.1109/MCOM.2009.5307476. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5307476

[61] J. Jansons, "IEEE 802.11n Evaluation in Vehicular Communication Systems," in *Proc. of the 52nd International Scientific Conference of RTU*, 2011, pp. 1–8. [Online]. Available: https://ortus.rtu.lv/science/en/publications/11162/fulltext.pdf

[62] J. Jansons, E. Petersons, dan N. Bogdanovs, "WiFi for Vehicular Communication Systems," in *Advanced Information Networking and Applications Workshops (WAINA), 2013 27th International Conference on*. Barcelona: IEEE, Mar. 2013. doi: 10.1109/WAINA.2013.17. ISBN 978-1-4673-6239-9 978-0-7695-4952-1 pp. 425–430. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6550433

[63] A. Lindgren, A. Doria, E. Davies, dan S. Grasic, "Probabilistic routing protocol for intermittently connected networks, draft-irtf-dtnrg-prophet-09," *DTN Research Group*, April 3, 2011. [Online]. Available: https://tools.ietf.org/html/draft-irtf-dtnrg-prophet-09

[64] A. Keränen dan J. Ott, "Increasing reality for dtn protocol simulations," *Helsinki University of Technology, Tech. Rep*, Jul. 2007. [Online]. Available: http://www.netlab.tkk.fi/jo/papers/2007-ONE-DTN-mobility-simulator.pdf

[65] Wikipedia, "Kereta Api Indonesia — Wikipedia, Ensiklopedia Bebas," 2015, [Daring; diakses pada 29-August-2015]". [Online]. Available: https://id.wikipedia.org/w/index.php?title=Kereta_Api_Indonesia&oldid=10660989

[66] P. T. K. A. I. (Persero), *Jadwal Perjalanan Kereta Api 2015*. Jl. Perintis Kemerdekaan No.1 Bandung: PT. Kereta Api Indonesia, Maret 2015.

[67] A. Rifai, "Daftar kereta-kereta tercepat di indonesia," 2015. [Online]. Available: http://kereta-api.info/daftar-kereta-kereta-tercepat-di-indonesia-4301.htm

[68] Menkumham, "Undang-undang republik indonesia nomor 23 tahun 2007 tentang perkeretaapian," 2007. [Online]. Available: http://www.dpr.go.id/dokjdih/document/uu/UU_2007_23.pdf

[69] M. Perhubungan, "Peraturan menteri perhubungan republik indonesia nomor pm. 60 tahun 2012 tentang persyaratan teknis jalur kereta api," 2013. [Online]. Available: http://peraturan.go.id/inc/view/11e44c50dfc2cdc0b269313233313336.html

[70] D. J. P. R. D. P. Umum, "Peraturan menteri pekerjaan umum nomor: 05/prt/m/2008 tentang pedoman penyediaan dan pemanfaatan ruang terbuka hijau di kawasan perkotaan," Direktorat Jenderal Penataan Ruang Departemen Pekerjaan Umum, http://www.bkprn.org/peraturan/the_file/permen05-2008.pdf, Tech. Rep., 28 Mei 2008, 2009-06-24.

[71] Wikipedia, *History of delay-tolerant networking — Wikipedia, The Free Encyclopedia*. Wikipedia, 2013. [Online]. Available: https://en.wikipedia.org/wiki/History_of_delay-tolerant_networking

[72] M. Ma, C. Lu, dan H. Li, "Delay Tolerant Networking," in *Delay Tolerant Networks: Protocols and Applications*, ser. Wireless Networks and Mobile Communications Series, A. Vasilakos, Y. Zhang, dan T. V. Spyropoulos, Eds. 6000 Broken Sound Parkway NW, Suite 300: RC press, 2012, ch. 1, pp. 1–29. ISBN 978-1-4398-1112-2 (eBook - PDF)

[73] M. Qiu, R. Wang, K. Zhao, W. Li, dan D. Bian, "RTO timer for best transmission efficiency of bundle protocol in deep-space communications," *IEEE Aerospace and Electronic Systems Magazine*, vol. 31, no. 1, pp. 14–21, Jan. 2016. doi: 10.1109/MAES.2016.150099. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=7395405

[74] K. Zhao, R. Wang, S. C. Burleigh, M. Qiu, A. Sabbagh, dan J. Hu, "Modeling memory-variation dynamics for the Licklider transmission protocol in deep-space communications," *IEEE Transactions on Aerospace and Electronic Systems*, vol. 51, no. 4, pp. 2510–2524, Oct. 2015. doi: 10.1109/TAES.2015.140907. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=7376198

[75] Q. Yu, S. C. Burleigh, R. Wang, dan K. Zhao, "Performance modeling of licklider transmission protocol (LTP) in deep-space communication," *IEEE Transactions on Aerospace and Electronic Systems*, vol. 51, no. 3, pp. 1609–1620, Jul. 2015. doi: 10.1109/TAES.2014.130763. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=7272817

[76] C. Feng, R. Wang, Z. Bian, T. Doiron, dan J. Hu, "Memory Dynamics and Transmission Performance of Bundle Protocol (BP) in Deep-Space Communications," *IEEE Transactions on Wireless Communications*, vol. 14, no. 5, pp. 2802–2813, Jan. 2015. doi: 10.1109/TWC.2015.2394397. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=7015631

[77] G. Araniti, N. Bezirgiannidis, E. Birrane, I. Bisio, S. Burleigh, C. Caini, M. Feldmann, M. Marchese, J. Segui, dan K. Suzuki, "Contact graph routing in DTN space networks: overview, enhancements and performance," *Communications Magazine, IEEE*, vol. 53, no. 3, pp. 38–46, Mar. 2015. doi: 10.1109/MCOM.2015.7060480. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7060480

[78] Z. Yang, R. Wang, Q. Yu, X. Sun, M. De Sanctis, Q. Zhang, J. Hu, dan K. Zhao, "Analytical characterization of licklider transmission protocol (LTP) in cislunar communications," *IEEE Transactions on Aerospace and Electronic Systems*, vol. 50, no. 3, pp. 2019–2031, Jul. 2014. doi: 10.1109/TAES.2013.120746. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6965754

[79] Q. Yu, X. Sun, R. Wang, Q. Zhang, J. Hu, dan Z. Wei, "The effect of DTN custody transfer in deep-space communications," *Wireless Communications, IEEE*, vol. 20, no. 5, pp. 169–176, Oct. 2013. doi: 10.1109/MWC.2013.6664488. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6664488

[80] R. Wang, S. C. Burleigh, P. Parikh, C.-J. Lin, dan B. Sun, "Licklider Transmission Protocol (LTP)-based DTN for Cislunar Communications," *IEEE/ACM Transactions on Networking*, vol. 19, no. 2, pp. 359–368, Apr. 2011. doi: 10.1109/TNET.2010.2060733. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=5671516

[81] K. L. Scott dan S. Burleigh, "Bundle protocol specification," *RFC 5050*, Nov. 2007. doi: 10.17487/RFC5050. [Online]. Available: http://www.rfc-editor.org/info/rfc5050

[82] N4C, "DTN Fundamentals," pp. 1–7, Apr. 2011. [Online]. Available: http://www.n4c.eu/Download/DTN%20Fundamentals.pdf

[83] Y. Cao dan Z. Sun, "Routing in Delay/Disruption Tolerant Networks: A Taxonomy, Survey and Challenges," *IEEE Communications Surveys & Tutorials*, vol. 15, no. 2, pp. 654–677, 2013. doi: 10.1109/SURV.2012.042512.00053. [Online]. Available: http://ieeexplore.ieee.org/document/6196145/

[84] K. Wei, X. Liang, dan K. Xu, "A Survey of Social-Aware Routing Protocols in Delay Tolerant Networks: Applications, Taxonomy and Design-Related

Issues," *IEEE Communications Surveys & Tutorials*, vol. 16, no. 1, pp. 556–578, 2014. doi: 10.1109/SURV.2013.042313.00103. [Online]. Available: http://ieeexplore.ieee.org/document/6512845/

[85] S. M. Tornell, C. T. Calafate, J.-C. Cano, dan P. Manzoni, "DTN Protocols for Vehicular Networks: An Application Oriented Overview," *IEEE Communications Surveys & Tutorials*, vol. 17, no. 2, pp. 868–887, 2015. doi: 10.1109/COMST.2014.2375340. [Online]. Available: http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6977878

[86] S. Misra, B. Saha, dan S. Pal, *Opportunistic Mobile Networks: Advances and Applications*, ser. Computer Communications and Networks. Switzerland: Springer International Publishing Switzerland, 2016, ch. Chapter 2 Delay Tolerant Routing and Applications, pp. 23–52. ISBN 978-3-319-29031-7. doi: 10.1007/978-3-319-29031-7_2

[87] T. Spyropoulos, K. Psounis, dan C. S. Raghavendra, "Single-copy routing in intermittently connected mobile networks," in *Sensor and Ad Hoc Communications and Networks, 2004. IEEE SECON 2004. 2004 First Annual IEEE Communications Society Conference on*. IEEE, Oct. 2004. doi: 10.1109/SAHCN.2004.1381922. ISBN 0-7803-8796-1 pp. 235–244. [Online]. Available: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1381922

[88] S. Jain, K. Fall, dan R. Patra, *Routing in a delay tolerant network*, ser. ACM SIGCOMM 2004 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communication. Portland, Oregon, USA: ACM, Sep. 2004, vol. 34, no. 4. [Online]. Available: http://dl.acm.org/citation.cfm?id=1015484

[89] A. Balasubramanian, B. Levine, dan A. Venkataramani, "DTN routing as a resource allocation problem," *ACM SIGCOMM Computer Communication Review*, vol. 37, no. 4, pp. 373–384, Oct. 2007. doi: http://dx.doi.org/10.1145/1282380.1282422. [Online]. Available: https://dl.acm.org/citation.cfm?id=1282422

[90] J. J. P. C. Rodrigues dan V. N. G. J. Soares, *Advances in Delay-tolerant Networks (DTNs): Architecture and Enhanced Performance*, ser. Woodhead Publishing Series in Electronic and Optical Materials. 80 High Street, Sawston, Cambridge, CB22 3HJ, UK: Elsevier, 2015, vol. 67, ch. Chapter 1 An introduction to

delay and disruption-tolerant networks (DTNs), pp. 1–21. ISBN 978-0-85709-840-5, 978-0-85709-846-7. doi: http://dx.doi.org/10.1533/9780857098467.1

[91] A. Lindgren, A. Doria, dan O. Schelén, "Probabilistic routing in intermittently connected networks," in *Proceedings of the 1st International Workshop on Service Assurance with Partial and Intermittent Resources (SAPIR)*, ser. Lecture Notes in Computer Science, P. Dini, P. Lorenz, and J. Souza, Eds., vol. 3126. Berlin: Heidelberg: Springer Berlin/Heidelberg, Aug. 2004. doi: 10.1007/978-3-540-27767-5_24. ISBN (P) 978-3-540-22567-6, (O) 978-3-540-27767-5 pp. 239–254. [Online]. Available: http://www.diva-portal.org/smash/get/diva2:1012696/FULLTEXT01.pdf;https://link.springer.com/chapter/10.1007%2F978-3-540-27767-5_24;https://doi.org/10.1007/978-3-540-27767-5_24

[92] A. Keränen, J. Ott, dan T. Kärkkäinen, "The ONE Simulator for DTN Protocol Evaluation," in *SIMUTools '09: Proceedings of the 2nd International Conference on Simulation Tools and Techniques*, ser. Simutools '09. Rome, Italy: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering); ICST, Brussels, Belgium, Belgium, 2009. doi: 10.4108/ICST.SIMUTOOLS2009.5674. ISBN 978-963-9799-45-5 pp. 55:1–55:10. [Online]. Available: http://dl.acm.org/citation.cfm?id=1537683; http://dx.doi.org/10.4108/ICST.SIMUTOOLS2009.5674

[93] K. Fall, "A delay-tolerant network architecture for challenged internets," in *Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications*. Intel Research Berkley: ACM, 2003. doi: http://dx.doi.org/10.1145/863955.863960. ISBN 1-58113-735-4 pp. 27–34. [Online]. Available: https://dl.acm.org/citation.cfm?id=863960

[94] S. Misra, B. Saha, dan S. Pal, *Opportunistic Mobile Networks: Advances and Applications*, ser. Computer Communications and Networks. Switzerland: Springer International Publishing Switzerland, 2016, ch. Chapter 1 Origins and Characteristics, pp. 3–21. ISBN 978-3-319-29031-7. doi: 10.1007/978-3-319-29031-7_1

[95] A. P. Silva, K. Obraczka, S. Burleigh, dan C. M. Hirata, "Smart Congestion Control for Delay-and Disruption Tolerant Networks," in *Sensing, Communication, and Networking (SECON), 2016 13th Annual IEEE International Conference on*. London, UK: IEEE, Jun. 2016. doi: 10.1109/SAHCN.2016.7733018.

ISBN 978-1-5090-1732-4 978-1-5090-1733-1 pp. 1–9. [Online]. Available: http://ieeexplore.ieee.org/abstract/document/7733018/

[96] R. Thakur dan K. Bansal, "Delay Tolerant Networks: An Analysis of Routing Protocols with ONE Simulator," *International Journal of Computer Network and Information Security (IJCNIS)*, vol. 8, no. 12, pp. 51–58, Dec. 2016. doi: 10.5815/ijcnis.2016.12.07. [Online]. Available: http://www.mecs-press.org/ijcnis/ijcnis-v8-n12/v8n12-7.html

[97] A. Kossiakoff, W. N. Sweet, S. J. Seymour, dan S. M. Biemer, *Systems engineering principles and practice*. John Wiley & Sons, 2011, vol. 83. ISBN 978-0-470-40548-2. doi: 10.1002/9781118001028

[98] A. Keränen, J. Ott, dan T. Kärkkäinen, "The ONE," https://www.netlab.tkk.fi/tutkimus/dtn/theone/, accessed: 2015-10-05.

[99] "..::situs resmi efisiensi::.." https://busefisiensi.com/, March 2017, accessed: 2017-03-31.