

DAFTAR PUSTAKA

- Alcantarilla, P.F., Sotelo, M. a. dan Bergasa, L.M., 2008. Automatic Daytime Road Traffic Control and Monitoring System. *2008 11th International IEEE Conference on Intelligent Transportation Systems*, hal.944–949.
- Alfaro, E., Gamez, M. dan García, N., 2013. adabag: An R Package for Classification with Boosting and Bagging. *Journal of Statistical Software*, 54(2), hal.1–35.
- Alger, M., 2004. Real-time traffic monitoring using mobile phone data. *Proceedings on 49th European Study*.
- Aliandu, P., 2012. *Analisis Sentimen Tweet Berbahasa Indonesia di Twitter*. Tesis, Program Studi S2 Ilmu Komputer, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada.
- Alifi, M.R. dan Supangkat, S.H., 2016. Information Extraction for Traffic Congestion in Social Network. *International Conference on ICT For Smart Society*. hal. 20–21.
- Aloul, F., Sagahyoon, A., Nahle, A., Dehn, M.A. dan Anani, R. Al, 2007. GuideMe : An Effective RFID-Based Traffic Monitoring System.
- Anggraini, D., Siswantoko, W., Henriyan, D., Subiyanti, D.P., Aziz, M.V.G. dan Prihatmanto, A.S., 2017. Design and Implementation of System Prediction and Traffic Conditions Visualization in Two Dimensional Map (Case study: Bandung city). *Proceedings of the 2016 6th International Conference on System Engineering and Technology, ICSET 2016*, hal.87–91.
- Anh, L.Q. dan Anh, N.N., 2005. Applying Computer Vision to Traffic Monitoring System in Vietnam. *First Young Vietnamese Scientists Meeting*.
- Bee Wah Yap, Khatijahhusna Abd Rani, Hezlin Aryani Abd Rahman, Simon Fong, Zuraida Khairudin dan Nik Nairan Abdullah, 2013. Proceedings of the First International Conference on Advanced Data and Information Engineering (DaEng-2013). *Proceedings of the First International Conference on Advanced Data and Information Engineering*. hal. 13–22.
- Bhosale, S. dan Kokate, S., 2013. Traffic Detection Using Tweets on Twitter Social

- Network. *International Journal of Science and Research (IJSR) ISSN (Online Index Copernicus Value Impact Factor*, 14611(12), hal.2319–7064.
- Black, A., Mascaro, C., Gallagher, M. dan Goggins, S.P., 2012. Twitter Zombie: Architecture for Capturing, Socially Transforming and Analyzing the Twittersphere. *Proceedings of ACM International Conference on Supporting Group Work*, 17(ACM), hal.229–238.
- Carvalho, S., 2010. Real-Time Sensing of Traffic Information in Twitter Messages.
- Chaniago, A., 2013. Sembilan Penyebab Kemacetan di Jakarta. *Republika Online*.
- Chao, W.L., Liu, J.Z. dan Ding, J.J., 2012. Facial Age Estimation Based on Label-Sensitive Learning and Age-Oriented Regression. *International Conference on Acoustics, Speech and Signal Processing*. hal. 1941–1944.
- Chawla, N. V., 2005. Data Mining for Imbalanced Datasets: An Overview. *Data Mining and Knowledge Discovery Handbook*, hal.853–867.
- Chen, X., Chandramouli, R. dan Subbalakshmi, K.P., 2014. Scam Detection in Twitter. *Studies in Big Data*, hal.133–150.
- Chou, Y.Y. dan Shapiro, L.G., 2003. A Hierarchical Multiple Classifier Learning Algorithm. *Pattern Analysis and Applications*, 6(2), hal.150–168.
- Collotta, M., Pau, G., Salerno, V.M. dan Scatá, G., 2012. Wireless Sensor Networks to Improve Road Monitoring. Available at: <http://dx.doi.org/10.5772/48505>.
- Cui, F., 2010. Study of Traffic Flow Prediction Based on BP Neural Network. , hal.1–4.
- D’Andrea, E., Ducange, P., Lazzerini, B. dan Marcelloni, F., 2015. Real-Time Detection of Traffic from Twitter Stream Analysis. *IEEE Transactions on Intelligent Transportation Systems*, 16(4), hal.2269–2283.
- Davidov, D. dan Tsur, O., 2010. Semi-Supervised Recognition of Sarcastic Sentences in Twitter and Amazon. *Proceedings of the Fourteenth Conference on Computational Natural Language Learning*. hal. 107–116.
- Detikcom, 2016. Kemacetan Jelang Long Weekend Mulai Menampakkan Diri di Tol Dalam Kota. *Detikcom*, hal.1–7.
- Direktorat Jenderal Bina Marga, K.P.U., 1997. Manual Kapasitas Jalan Indonesia. Ditjen Perhubungan Darat, 2013. *Profil dan Kinerja Perhubungan Darat 2013*,

- Ditjen Perhubungan Darat, 1998. *Sistem Transportasi Kota*,
- Douxchamps, D., Macq, B. dan Chihara, K., 2006. High accuracy traffic monitoring using road-side line-scan cameras. *2006 IEEE Intelligent Transportation Systems Conference*, hal.875–878.
- Elsafoury, F.A., 2013. *Monitoring Urban Traffic Status Using Twitter Messages*. University of Twente.
- Endarnoto, S.K., Pradipta, S., Nugroho, A.S. dan Purnama, J., 2011. Traffic Condition Information Extraction and Visualization from Social Media Twitter for Android Mobile Application. *International Conference on Electrical Engineering and Informatics*, (July).
- Faisal, M.R., 2016. *Seri Belajar Data Science: Klasifikasi dengan Bahasa Pemrograman R* 3rd ed., Indonesia Net Developer Community Publisher.
- Freddy, L., Schumann, A. dan Sbodio, M.L., 2012. Applying Semantic Web Technologies for Diagnosing Road Traffic Congestions. *International Semantic Web Conference*.
- Go, A., Bhayani, R. dan Huang, L., 2009. Twitter Sentiment Classification using Distant Supervision.
- Graczyk, M., Lasota, T., Trawiński, B. dan Trawiński, K., 2010. Comparison of Bagging, Boosting and Stacking Ensembles Applied to Real Estate Appraisal. , hal.340–350.
- Han, J. dan Kamber, M., 2006. *Data Mining : Concepts and Techniques*. Morgan Kaufmann Publisher.
- Han, J., Kamber, M. dan Pei, J., 2012. *Data Mining: Concepts and Techniques* Third Edit., Morgan Kaufmann.
- He, J., Shen, W., Divakaruni, P., Wynter, L. dan Lawrence, R., 2013. Improving Traffic Prediction with Tweet Semantics. *Proceedings of the Twenty-Third International Joint Conference on Artificial Intelligence*, hal.1387–1393.
- Hestya, R.P., 2013. Indonesia Pengguna Twitter Nomor 3 di Dunia. *Tempo*.
- Heverin, T. dan Zach, L., 2010. Twitter for city police department information sharing. *Proceedings of the American Society for Information Science and Technology*, 47(1), hal.1–7.

- Hido, S., Kashima, H. dan Takahashi, Y., 2009. Roughly balanced Bagging for Imbalanced data. *Statistical Analysis and Data Mining*, 2(5–6), hal.412–426.
- Horn, C., 2010. *Analysis and Classification of Twitter Messages*. Graz University of Technology.
- Huang, S.H. dan Ran, B., 2006. An Application of Neural Network on Traffic Speed Prediction Under Adverse Weather Condition. , hal.1–21.
- Innamaa, S., 2008. Self-adapting traffic flow status forecasts using clustering. *IET Intelligent Transport System*.
- Ishino, A., Odawara, S., Nanba, H. dan Takezawa, T., 2012. Extracting Transportation Information and Traffic Problems from Tweets during a Disaster Where do you evacuate to? *Second International Conference on Advances in Information Mining and Management*.
- Jokela, M., Kutila, M., Laitinen, J., Ahlers, F., Hautière, N. dan Road, A.I., 2007. Optical Road Monitoring of the Future Smart Roads – Preliminary Results. *International Journal of Computer and Information Engineering*, hal.502–507.
- Jurafsky, D. dan Martin, J., 2017. Information extraction. *Speech and Language Processing*. Stanford University Publisher. Available at: <http://dl.acm.org/citation.cfm?id=234209>.
- Kavitha, P., 2013. Efficient Road Traffic Policing With Coordinators and Routers Using Radio Frequency. , 2(3), hal.1181–1186.
- Kementerian Pekerjaan Umum, 2009a. Kebijakan Mengatasi Kemacetan Di Jakarta: Menuju Penguatan Peran Departemen PU.
- Kementerian Pekerjaan Umum, P., 2009b. Kebijakan Mengatasi Kemacetan di Jakarta: Menuju Penguatan Peran Departemen PU. Available at: <http://www.pu.go.id/isustrategis/view/24>.
- Kementerian Perhubungan, 2010. Peran Serta Kemenhub Atasi Kemacetan Ibukota. Available at: <http://m.dephub.go.id/read/kolom-redaksi/peran-serta-kemenhub-atasi-kemacetan-ibukota-15320>.
- Klaithin, S. dan Haruechaiyasak, C., 2016. Traffic Information Extraction and Classification from Thai Twitter. *Computer Science and Software Engineering*

- (JCSSE), 2016 13th International Joint Conference on, hal.1–6.
- Korada, N.K., Kumar, N.S.P. dan Deekshitulu, Y.V.N.H., 2012. Implementation of Naive Bayesian Classifier and Ada-Boost Algorithm Using Maize Expert System. *International Journal of Information Sciences and Techniques*, 2(3), hal.63–75.
- Kosala, R. dan Adi, E., 2012. Harvesting Real Time Traffic Information from Twitter. *Procedia Engineering*, 50, hal.1–11.
- Krausz, N., 2010. Applying RFID in traffic junction monitoring RFID components. *Second Conference of Junior Researchers in Civil Engineering Applying*. hal. 11–15.
- Kurz, F., Charmette, B., Suria, S., Rosenbaum, D., Spangler, M., Leonhardt, A., Bachleitner, M., Stätter, R. dan Reinartz, P., 2007. Automatic Traffic Monitoring With An Airborne Wide-Angle Digital. *Photogrammetry, Remote Sensing and Spatial Information Sciences*. hal. 83–88.
- Larsen, S.Ø., Koren, H. dan Solberg, R., 2009. Traffic Monitoring using Very High Resolution Satellite Imagery. *American Society for Photogrammetry and Remote Sensing (ASPRS)*, (July), hal.859–869.
- Liu, H., Luo, B. dan Lee, D., 2012. Location Type Classification Using Tweet Content. *2012 11th International Conference on Machine Learning and Applications*, hal.232–237.
- Manning, C.D., Raghavan, P. dan Schütze, H., 2009. *Introduction to Information Retrieval*, Cambridge University Press.
- Marcus, A., Bernstein, M.S., Badar, O., Karger, D.R., Madden, S. dan Miller, R.C., 2011. Processing and Visualizing the Data in Tweets. , 40(4).
- Mchugh, D., 2015. Traffic Prediction and Analysis using a Big Data and Visualisation Approach.
- Megawati, C., 2015. *Analisis Aspirasi dan Pengaduan di Situs Laporan! dengan Menggunakan Text Mining*. Universitas Indonesia.
- Messelodi, S., Modena, C.M. dan Zanin, M., 2004. A computer vision system for the detection and classification of vehicles at urban road intersections. *Pattern Analysis and Applications*, 8, hal.1–38.

- MetroTV News, 2016. Musim Hujan Bertambah Panjang. *MetroTV News*, hal.5–9.
- Mohan, P., N., V. dan Ramjee, R., 2008. Nericell : Rich Monitoring of Road and Traffic Conditions using Mobile Smartphones. *Proceedings of the 6th ACM conference on Embedded network sensor systems*.
- Monarizqa, N., Nugroho, L.E. dan Hantono, B.S., 2014. *Penerapan Analisis Sentimen Pada Twitter Berbahasa Indonesia Sebagai Pemberi Rating*,
- Najib, A., 2012. *Rancang Bangun Aplikasi Evaluasi Rasio Anggaran Menggunakan Algoritma C4.5*.
- Nicolosi, N., 2008. Feature Selection Methods for Text Classification. , hal.1–11. Available at: http://www.cs.rit.edu/~nan2563/feature_selection.pdf.
- Obermeier, K.K., 1989. *Natural Language Processing Intelligence*, Ellis Horwood Limited,Chichester.
- Oh, C. dan Park, S., 2011. Investigating the effects of daily travel time patterns on short-term prediction. *KSCE Journal of Civil Engineering*, 15(7), hal.1263–1272.
- Pak, A. dan Paroubek, P., 2010. Twitter as a Corpus for Sentiment Analysis and Opinion Mining. , hal.1320–1326.
- Pandit, V., Doshi, J., Mehta, D., Mhatre, A. dan Janardhan, A., 2014. Smart Traffic Control System Using Image Processing program. , 3(1), hal.280–283.
- Prasetyo, E., 2012. *Data Mining Konsep dan Aplikasi Menggunakan Matlab*, Andi Publisher.
- Putra, W., 2012. Menentukan Jumlah Sampel dengan Rumus Slovin.
- Rahman, V. El, 2017. Amankan Lalu Lintas Jakarta, Polisi Manfaatkan CCTV dan Media Sosial. *IDN Times*.
- Rish, I., 2006. An Empirical Study of the Naive Bayes Classifier. , hal.41–46.
- Rodiyansyah, S.F., 2012. *Klasifikasi Posting Twitter Kemacetan Lalu Lintas Kota Bandung Menggunakan Naive Bayes Classification*. Universitas Gadjah Mada.
- Rosenbaum, D., Leitloff, J., Kurz, F., Meynberg, O. dan Reize, T., 2010. Real-Time Image Processing For Road Traffic Data Extraction From Aerial Images. *ISPRS TC VII Symposium – 100 Years ISPRS*. hal. 469–474.

- Saifudin, A. dan Wahono, R.S., 2015. Pendekatan Level Data untuk Menangani Ketidakseimbangan Kelas pada Prediksi Cacat Software. *Journal of Software Engineering*, 1(2).
- Sakaki, T., 2009. Earthquake Shakes Twitter Users : Real-time Event Detection by Social Sensors. *IEEE Transactions on Knowledge and Data Engineering*, 25(IEEE), hal.919–931.
- Setchell, C. dan Dagless, E.L., 2001. Vision-based Road-traffic Monitoring Sensor. *Image Signal Processing IEEE Proceeding*.
- Simsek, K. dan Gunay, R., 2012. Information Delivery and Advanced Traffic Information Systems in Istanbul. *World Academy of Science, Engineering and Technology 2012*. hal. 2173–2176.
- Singh, B.S.R.B.J., 2013. *Real Time Prediction of Road Traffic Condition in London via Twitter and Related Sources*. Middlesex University.
- Sriram, B., Fuhry, D., Demir, E., Ferhatosmanoglu, H. dan Demirbas, M., 2010. Short Text Classification in Twitter to Improve Information Filtering. *Proceeding of the 33rd international ACM SIGIR conference on Research and development in information retrieval - SIGIR '10*, hal.841.
- Stanford University, 2013. Information Extraction and Named Entity Recognition.
- Sun, Y., Kamel, M.S., Wong, A.K.C. dan Wang, Y., 2007. Cost-sensitive Boosting for classification of Imbalanced Data. *Pattern Recognition*, 40(12), hal.3358–3378.
- Tan, H., Wu, Y., Feng, G., Wang, W. dan Ran, B., 2013. A New Traffic Prediction Method based on Dynamic Tensor Completion. *Procedia - Social and Behavioral Sciences*, 96, hal.2431–2442. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1877042813023987>.
- Tan, P.-N., Steinbach, M. dan Kumar, V., 2006. *Introduction to Data Mining*, Pearson Education Boston.
- Teresia, A., 2013. 2014, Jakarta Macet Total. *Tempo*.
- Twitter, 2013. The Twitter REST API. Available at: <https://dev.twitter.com/docs/api>.
- Valerio, D., D’Alconzo, A., Ricciato, F. dan Wiedermann, W., 2009. Exploiting

- Cellular Networks for Road Traffic Estimation: A Survey and a Research Roadmap. *VTC Spring 2009 - IEEE 69th Vehicular Technology Conference*, hal.1–5.
- Wang, H., Can, D., Kazemzadeh, A., Bar, F. dan Narayanan, S., 2012. A System for Real-time Twitter Sentiment Analysis of 2012 U.S. Presidential Election Cycle. *Proceedings of the 50th Annual Meeting of the Association for Computational Linguistics*, (July), hal.115–120.
- Wanichayapong, N., Pruthipunyaskul, W., Pattara-Atikom, W. dan Chaovalit, P., 2011. Social-Based Traffic Information Extraction and Classification. *11th International Conference on ITS Telecommunications*. IEEE, hal. 107–112.
- Weiss, S.M., Indurkha, N., Zhang, T. dan Damerou, F.J., 2005. *Text Mining*, Springer.
- Wibisono, A., Sina, I., Ihsannuddin, M.A., Hafizh, A., Hardjono, B., Nurhadiyatna, A., Jatmiko, W. dan Mursanto, P., 2012. Traffic Intelligent System Architecture Based on Social Media Information. *International Conference on Advanced Computer Science and Information Systems*. hal. 25–30.
- Witten, I.H., Don, K.J., Dewsnip, M. dan Tablan, V., 2003. Text mining in a digital library. *CiteSeerX*, hal.1–6.
- Wongcharoen, S. dan Senivongse, T., 2016. Twitter Analysis of Road Traffic Congestion Severity Estimation. *13th International Joint Conference on Computer Science and Software Engineering, JCSSE 2016*.
- Wu, Y.-J., Lian, F.-L. dan Chang, T.-H., 2006. Traffic Monitoring and Vehicle Tracking using Roadside Cameras. *2006 IEEE International Conference on Systems, Man and Cybernetics*, hal.4631–4636.
- Zhang, H. dan Wang, Z., 2011. A Normal Distribution-Based Over-Sampling Approach. *International Conference on Advanced Data Mining and Applications*. Springer, hal. 83–96.
- Zhang, L., Wang, R. dan Cui, L., 2011. Real-time Traffic Monitoring with Magnetic Sensor Networks. *Journal of Information Science and Engineering*, hal.1473–1486.
- Zhao, S. dan Zhong, L., 2011. Analyzing Twitter for Social TV: Sentiment

Extraction for Sports. *Proceedings of the 2nd International Workshop on Future of Television*. hal. 21–29.

Zhou, Y., De, S. dan Moessner, K., 2016. Real World City Event Extraction from Twitter Data Streams. *International Workshop on Data Mining on IoT Systems*. Elsevier, hal. 443–448.