



DAFTAR PUSTAKA

- [1] Asosiasi Pengusaha Jasa Internet Indonesia, “Statistik Pengguna Internet Indonesia 2014,” 2014.
- [2] Asosiasi Pengusaha Jasa Internet Indonesia, “Ini Potret Pengguna Internet Indonesia,” 2012. [Online]. Available: <http://www.apjii.or.id/v2/read/article/apjii-at-media/129.html>.
- [3] M. F. Nuruddinsyah, “Media Sosial dalam Komunikasi dan Kampanye Politik,” 2015.
- [4] C. N. Tribuana, “Demokrasi Media Sosial pada Masa Pemilihan Presiden 2014,” *Pusdiklat Kementerian. Luar Negeri Republik Indones.*, pp. 1–12, 2014.
- [5] I. N. Laeli, “Politik dan Internet Fungsi Internet Dalam Kampanye Pemilihan Anggota DPRD Kota Surabaya,” *J. Polit. Muda Univ. Airlangga*, vol. 3, pp. 1–7, 2004.
- [6] Alexa, “Twitter.com Overview.” [Online]. Available: <http://www.alexa.com/siteinfo/twitter.com>.
- [7] M. Sadowski, “Social Media Statistic for Indonesia,” 2013. [Online]. Available: <http://socialmemos.com/social-media-statistics-for-indonesia/>.
- [8] H. Motwani, “10 Reasons Why You Should Choose Twitter Over Facebook,” 2014. [Online]. Available: <https://smallbusiness.yahoo.com/advisor/10-reasons-why-choose-twitter-over-facebook-000038313.html>. [Accessed: 30-Apr-2015].
- [9] T. Nasukawa and J. Yi, “Sentiment Analysis: Capturing Favorability Using Natural Language Processing,” in *Proceedings of the 2nd International Conference on Knowledge Capture*, 2003, pp. 70–77.
- [10] A. Resphati, “Opini Masyarakat Tentang Pemberitaan Demo 100 Hari Pemerintahan SBY-Boediono di Surat Kabar Jawa Pos Edisi 27-29 Januari 2010,” Universitas Pembangunan Nasional “Veteran” Jawa Timur, 2010.
- [11] A. E. Lisa, “Fungsi Media Massa dalam Pembentukan Opini Publik,” Universitas Sumatera Utara, 2012.
- [12] W. Kumorotomo, “Kekuatan Opini Publik.” pp. 1–3, 2009.
- [13] L. Margaretha, “Pengaruh Opini Publik Terhadap Pengambilan Keputusan DPRD DKI Jakarta,” Universitas Indonesia, 2003.
- [14] M. Hall, “A Decision Tree-Based Attribute Weighting Filter for Naive Bayes,” *Knowledge-Based Syst.*, pp. 120–126, 2006.
- [15] S. Taheri and M. Mammadov, “Learning The Naive Bayes Classifier With Optimization Models,” in *International Journal of Applied Mathematics and Computer Science*, 2013, pp. 787–795.



- [16] M. Kaya, G. Fidan, and I. H. Toroslu, "Sentiment Analysis of Turkish Political News," in *2012 IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology*, 2012, pp. 174–180.
- [17] A. Pak and P. Paroubek, "Twitter as a Corpus for Sentiment Analysis and Opinion Mining," *Proc. Seventh Conf. Int. Lang. Resour. Eval.*, pp. 1320–1326, 2010.
- [18] C. Troussas, M. Virvou, K. J. Espinosa, K. Llaguno, and J. Caro, "Sentiment analysis of Facebook statuses using Naive Bayes classifier for language learning," in *IISA 2013*, 2013, pp. 1–6.
- [19] Lazada Indonesia, "Apple iPhone 4 CDMA 16 GB Smartfren - Putih." [Online]. Available: <http://www.lazada.co.id/apple-iphone-4-cdma-16-gb-smartfren-putih-237187.html?boost=1>. [Accessed: 06-Nov-2015].
- [20] S. M. Alzahrani, N. Salim, and A. Abraham, "Understanding Plagiarism Linguistic Patterns, Textual Features, and Detection Methods," *IEEE Trans. Syst. Man, Cybern. Part C (Applications Rev.)*, vol. 42, no. 2, pp. 133–149, Mar. 2012.
- [21] A. Wijaya and R. S. Wahono, "Two-Step Cluster based Feature Discretization of Naive Bayes for Outlier Detection in Intrinsic Plagiarism Detection," *Journal of Intelligent Systems*, vol. 1, no. 1. pp. 1–8, 18-Feb-2015.
- [22] A. Go, R. Bayani, and L. Huang, "Twitter Sentiment Classification using Distant Supervision," 2009.
- [23] H. Wijaya, A. Erwin, A. Soetomo, and M. Galinium, "Twitter Sentiment Analysis and Insight for Indonesian Mobile Operators," in *Information Systems International Conference (ISICO)*, 2013, p. 367.
- [24] S. Shahheidari, H. Dong, and M. N. R. Bin Daud, "Twitter Sentiment Mining: A Multi Domain Analysis," in *2013 Seventh International Conference on Complex, Intelligent, and Software Intensive Systems*, 2013, pp. 144–149.
- [25] A. F. Hidayatullah and A. SN, "Analisis Sentimen dan Klasifikasi Kategori Terhadap Tokoh Publik Pada Twitter," *Seminar Nasional Informatika 2014 (semnasIF 2014)*, 2014. [Online]. Available: https://www.academia.edu/9844318/ANALISIS_SENTIMEN_DAN_KLASIFIKASI_KATEGORI_TERHADAP_TOKOH_PUBLIK_PADA_TWITTER. [Accessed: 21-Apr-2015].
- [26] U. G. PULSE, "Mining Indonesian Tweets to Understand Food Price Crises," *METHODS Pap.*, 2014.
- [27] P. Song and Z. Huang, "Research on Bilateral Market Pricing Strategies for Trading Platform of Digital Media Content Products," in *2012 International Conference on Management of e-Commerce and e-Government*, 2012, pp. 216–219.



- [28] M. A. Razzaq and A. M. Qamar, "Prediction and analysis of Pakistan election 2013 based on sentiment analysis," in *2014 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2014)*, 2014, pp. 700–703.
- [29] C. Fink, N. Bos, A. Perrone, E. Liu, and J. Kopecky, "Twitter, Public Opinion, and the 2011 Nigerian Presidential Election," in *2013 International Conference on Social Computing*, 2013, pp. 311–320.
- [30] A. Khatua, A. Khatua, K. Ghosh, and N. Chaki, "Can #Twitter_Trends Predict Election Results? Evidence from 2014 Indian General Election," in *2015 48th Hawaii International Conference on System Sciences*, 2015, pp. 1676–1685.
- [31] R. T. S. Project, "Indonesia Internet Users." [Online]. Available: <http://www.internetlvestats.com/internet-users/indonesia/>. [Accessed: 06-Oct-2015].
- [32] N. W. S. Saraswati, "Text Mining dengan Metode Naive Bayes Classifier dan Support Vector Machines untuk Sentiment Analysis," Universitas Udayana, 2011.
- [33] A. Novantirani, M. K. Sabariah, and V. Effendy, "Analisis Sentimen pada Twitter untuk Mengenai Penggunaan Transportasi Umum Darat Dalam Kota dengan Metode Support Vector Machine," 2015.
- [34] D. Widiastuti, "Analisa Perbandingan Algoritma SVM, Naive Bayes, dan Decision Tree dalam Mengklasifikasikan Serangan (Attack) pada Sistem Pendeteksi Intrusi," *Jur. Sist. Inf. Univ. Gunadarma*, pp. 1–8, 2007.
- [35] Statista, "Leading social networks worldwide as of August 2015," 2015. [Online]. Available: <http://www.statista.com/statistics/272014/global-social-networks-ranked-by-number-of-users/>. [Accessed: 06-Oct-2015].
- [36] V. D. Nguyen, B. Varghese, and A. Barker, "The royal birth of 2013: Analysing and visualising public sentiment in the UK using Twitter," in *2013 IEEE International Conference on Big Data*, 2013, pp. 46–54.
- [37] G. ASROFI, "Analisis Sentimen Calon Presiden Indonesia 2014 dengan Lima Class Attribute," Universitas Gadjah Mada, 2015.
- [38] X. Liu, K. Tang, J. Hancock, J. Han, M. Song, R. Xu, V. Manikonda, and B. Pokorny, "SocialCube: A Text Cube Framework for Analyzing Social Media Data," in *2012 International Conference on Social Informatics*, 2012, pp. 252–259.
- [39] L. Dey, I. Verma, A. Khurdiya, and H. Sameera Bharadwaja, "A Framework to Integrate Unstructured and Structured Data for Enterprise Analytics," *Information Fusion (FUSION)*, *2013 16th International Conference on*. pp. 1988–1995, 2013.
- [40] Twitter Inc., "GET statuses/show/:id." [Online]. Available:



- <https://dev.twitter.com/rest/reference/get/statuses/show/%3Aid>. [Accessed: 12-Nov-2015].
- [41] A. Hassan, A. Abbasi, and D. Zeng, “Twitter Sentiment Analysis: A Bootstrap Ensemble Framework,” in *2013 International Conference on Social Computing*, 2013, pp. 357–364.
- [42] S. Doan, L. Ohno-Machado, and N. Collier, “Enhancing Twitter Data Analysis with Simple Semantic Filtering: Example in Tracking Influenza-Like Illnesses,” in *2012 IEEE Second International Conference on Healthcare Informatics, Imaging and Systems Biology*, 2012, pp. 62–71.
- [43] A. Tumasjan, T. O. Sprenger, P. G. Sandner, and I. M. Welpe, “Predicting Elections with Twitter: What 140 Characters Reveal about Political Sentiment,” *Fourth Int. AAAI Conf. Weblogs Soc. Media*.
- [44] R. Eshleman and H. Yang, ““Hey #311, Come Clean My Street!”: A Spatio-temporal Sentiment Analysis of Twitter Data and 311 Civil Complaints,” in *2014 IEEE Fourth International Conference on Big Data and Cloud Computing*, 2014, pp. 477–484.
- [45] I. P. Cvijikj and F. Michahelles, “Understanding Social Media Marketing: A Case Study on Topics, Categories and Sentiment on a Facebook Brand Page,” 2011.
- [46] L. F. S. Coletta, N. F. F. da Silva, E. R. Hruschka, and E. R. Hruschka, “Combining Classification and Clustering for Tweet Sentiment Analysis,” in *2014 Brazilian Conference on Intelligent Systems*, 2014, pp. 210–215.
- [47] Beritasatu.com, “Sentigram: Unggul di Lima Situs, Elektabilitas Jokowi-JK 44,22%, | Politik | Beritasatu.com.” [Online]. Available: <http://www.beritasatu.com/politik/195463-sentigram-unggul-di-lima-situs-elektabilitas-jokowijk-4422.html>. [Accessed: 12-Nov-2015].
- [48] MetroTV News, “Sentigram Prediksi Kemenangan Jokowi-Jusuf Kalla.” [Online]. Available: <http://teknologi.metrotvnews.com/read/2014/07/09/263502/sentigram-prediksi-kemenangan-jokowi-jusuf-kalla>. [Accessed: 12-Nov-2015].
- [49] Daily Social, “Mengikuti Tren Sentimen Terhadap Capres di Media Sosial dengan Sentigram - Dailysocial.” [Online]. Available: <http://dailysocial.id/post/mengikuti-tren-sentimen-terhadap-capres-dengan-sentigram?number=2014061838926>. [Accessed: 12-Nov-2015].
- [50] A. Agarwal, R. S. Behara, S. Mulpura, and V. Tyagi, “Domain Independent Natural Language Processing -- A Case Study for Hospital Readmission with COPD,” in *2014 IEEE International Conference on Bioinformatics and Bioengineering*, 2014, pp. 399–404.
- [51] E. Cambria and B. White, “Jumping NLP Curves: A Review of Natural Language Processing Research [Review Article],” *IEEE Comput. Intell. Mag.*, vol. 9, no. 2, pp. 48–57, May 2014.



- [52] D. L. Poole and A. K. Mackworth, *Artificial Intelligence - Foundations of Computational Agents*. Cambridge: Cambridge University Press, 2010.
- [53] J. Pustejovsky and a Stubbs, *Natural language annotation for machine learning*. 2013.
- [54] D. Jurafsky and J. H. Martin, “Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition,” *Speech Lang. Process. An Introd. to Nat. Lang. Process. Comput. Linguist. Speech Recognit.*, vol. 21, pp. 0–934, 2009.
- [55] V. K. Verma, M. Ranjan, and P. Mishra, “Text mining and information professionals: Role, issues and challenges.” pp. 133–137, 2015.
- [56] N. Otsuka and M. Matsushita, “Constructing knowledge using exploratory text mining,” in *2014 Joint 7th International Conference on Soft Computing and Intelligent Systems (SCIS) and 15th International Symposium on Advanced Intelligent Systems (ISIS)*, 2014, pp. 1392–1397.
- [57] R. Feldman and J. Sanger, *The Text Mining Handbook*. 2007.
- [58] National Center for Biotechnology Information, “PubMed.” [Online]. Available: <http://www.ncbi.nlm.nih.gov/pubmed>. [Accessed: 16-Nov-2015].
- [59] A. de R. Rocha, “Naive Bayes Classifier Teaching Material.” pp. 1–9, 2006.
- [60] H. Zhang, “The Optimality of Naive Bayes,” *Proc. Seventeenth Int. Florida Artif. Intell. Res. Soc. Conf. FLAIRS 2004*, vol. 1, no. 2, pp. 1 – 6, 2004.
- [61] R. Caruana and A. Niculescu-Mizil, “An empirical comparison of supervised learning algorithms,” *Proc. 23rd Int. Conf. Mach. Learn.*, vol. C, no. 1, pp. 161–168, 2006.
- [62] G. H. G. John and P. Langley, “Estimating Continuous Distributions in Bayesian Classifiers,” *Proc. Elev. Conf. Uncertain. Artif. Intell. Montr. Quebec, Canada*, vol. 1, pp. 338–345, 1995.
- [63] A. Aggarwal, A. Rajadesingan, and P. Kumaraguru, “PhishAri: Automatic realtime phishing detection on twitter,” in *2012 eCrime Researchers Summit*, 2012, pp. 1–12.
- [64] B. P. Blake, N. Agarwal, R. T. Wigand, and J. D. Wood, “Twitter Quo Vadis: Is Twitter Bitter or Are Tweets Sweet?,” in *2010 Seventh International Conference on Information Technology: New Generations*, 2010, pp. 1257–1260.
- [65] The Twitter Government and Election Team, *The Twitter Government and Election Handbook*. San Francisco: Twitter Inc., 2014.
- [66] T. U. of Waikato, “Attribute-Relation File Format (ARFF).” [Online]. Available: <http://www.cs.waikato.ac.nz/ml/weka/arff.html>. [Accessed: 05-Oct-2015].
- [67] X. Huang and Q. Wu, “Micro-blog commercial word extraction based on



- improved TF-IDF algorithm,” in *2013 IEEE International Conference of IEEE Region 10 (TENCON 2013)*, 2013, pp. 1–5.
- [68] TFIDF.com, “Tf-idf :: A Single-Page Tutorial - Information Retrieval and Text Mining.” [Online]. Available: <http://www.tfidf.com/>. [Accessed: 19-Nov-2015].
- [69] C. D. Manning, P. Raghavan, and H. Schütze, *An Introduction to Information Retrieval*. 2009.
- [70] K. Ganesan, “A Brief Note on Stop Words for Text Mining and Retrieval.” 2015.
- [71] F. Z. Tala, “A Study of Stemming Effects on Information Retrieval in Bahasa Indonesia,” The Netherlands, 2003.
- [72] N. Zainuddin and A. Selamat, “Sentiment analysis using Support Vector Machine,” in *2014 International Conference on Computer, Communications, and Control Technology (I4CT)*, 2014, pp. 333–337.
- [73] X. Huosong, F. Zhaoyan, and P. Liuyan, “Chinese Web Text Outlier Mining Based on Domain Knowledge,” in *2010 Second WRI Global Congress on Intelligent Systems*, 2010, vol. 2, pp. 73–77.
- [74] M. Hawskey, “About TAGS.” [Online]. Available: <https://tags.hawksey.info/about/>. [Accessed: 01-Dec-2015].
- [75] P. Sugiyono, Dr, *Metode Penelitian Pendidikan - Pendekatan Kuantitatif, Kualitatif, dan R&D*, 20th ed. Bandung: Alfabeta Bandung, Indonesia, 2014.
- [76] M. Tonggiroh, “Pengukuran Penerimaan Pengguna Sistem E-Learning Klasiber di Universitas Islam Indonesia,” Universitas Gadjah Mada, 2015.
- [77] N. V Chawla, “Data Mining for Imbalanced Datasets: An Overview,” *Data Min. Knowl. Discov. Handb.*, pp. 853–867, 2005.
- [78] V. Nikulin and G. J. McLachlan, “Classification of Imbalanced Marketing Data with Balanced Random Sets,” *J. Mach. Learn. Res. ...*, pp. 89–100, 2009.
- [79] H. Umar, *Metode Penelitian untuk Skripsi dan Tesis Bisnis*, 6th Editio. Jakarta: PT Raja Grafindo Persada, 2004.
- [80] I. Melissa and R. S. Oetama, “Analisis Data Pembayaran Kredit Nasabah Bank Menggunakan Metode Data Mining,” vol. IV, no. 1, pp. 18–27, 2013.
- [81] T. U. of Waikato, “Weka 3: Data Mining Software in Java.” [Online]. Available: <http://www.cs.waikato.ac.nz/ml/weka/>. [Accessed: 05-Oct-2015].
- [82] K. Hornik, C. Buchta, and A. Zeileis, “Open-source machine learning: R meets Weka,” *Comput. Stat.*, vol. 24, no. 2, pp. 225–232, 2009.