# DAFTAR PUSTAKA

Abidin, A. Z., Riza, L. S., & Nurdin, E. A. (2018). Pengembangan Sistem Data-To-Text ( D2T ) untuk Membangkitkan Berita pada Data Streaming.

Athoillah, M., Irawan, M., I., & Imah, Elly, M. (2015). Study Comparison of SVM-, K-NN- and Backpropagation-Based Classifier for Image Retrieval. *Jurnal Ilmu Komputer Dan Informasi (Journal of Computer Science and Information)*, *8*(1), 11–18.

Banaee, H., Ahmed, M. U., & Loutfi, A. (2013). Towards NLG for Physiological Data Monitoring with Body Area Networks. *Proceedings of the 14th European Workshop on Natural Language Generation (ENLG’13)*, 193–197. Retrieved from http://www.aclweb.org/anthology/W13-2127

Bateman, J., & Zock, M. (2012). Natural Language Generation. *The Oxford Handbook of Computational Linguistics*, *9780199276*(April 2018), 1–21. https://doi.org/10.1093/oxfordhb/9780199276349.013.0015

Belz, A. (2007). Probabilistic Generation of Weather Forecast Texts. *Naacl-Hlt*, 164–171. Retrieved from http://www.aclweb.org/anthology/N07-1021

Bowden, R., & Bullington, S. F. (1996). Development of manufacturing control strategies using unsupervised machine learning. *IIE Transactions (Institute of Industrial Engineers)*, *28*(4), 319–331. https://doi.org/10.1080/07408179608966279

Boyd, S. (1998). TREND: A System for Generating Intelligent Descriptions of Time-Series Data. *Icips*, 1–5. https://doi.org/10.1.1.57.3705

Budiharto, W. (2013). *Pengantar Praktis Pemrograman R untuk Ilmu Komputer*.

Castillo-Ortega, R., Marín, N., Martínez-Cruz, C., & Sánchez, D. (2014). A proposal for the hierarchical segmentation of time series. Application to trend-based linguistic description. *IEEE International Conference on Fuzzy Systems*, 489–496. https://doi.org/10.1109/FUZZ-IEEE.2014.6891840

Chowdhury, G. G. (2005). Natural language Processing, 51–89.

Crowder, J. W., Moore, J. G., DeRose, L., & Franek, W. J. (1999). *Air Pollution Field Enforcement*. STUDENT MANUAL.

de Vaus, D. A. (2002). *SURVEYS IN SOCIAL RESEARCH* (5th editio).

Demir, S., Carberry, S., & McCoy, K. F. (2012). Summarizing Information Graphics Textually. *Computational Linguistics*, *38*(3), 527–574. https://doi.org/10.1162/COLI

Fallah-Ghalhary, G. A., Mousavi-baygi, M., & Nokhandan, M. H. (2009). Environmental Sciences. *Journal of Chromatography B*, *6*(3), 271–275. https://doi.org/10.1111/ijfs.12122

Fallah-Ghalhary, G. A., Mousavi-Baygi, M., & Nokhandan, M. H. (2009). Annual Rainfall Forecasting by Using Mamdani Fuzzy Interface System. *Research Journal of Environmental Sciences*, *3*.

Gatt, A., Portet, F., Reiter, E., Hunter, J., Mahamood, S., & Moncur, W. (2009). From data to text in the Neonatal Intensive Care Unit : Using NLG technology for decision support and information management, *22*, 153–186. https://doi.org/10.3233/AIC-2009-0453

Gkatzia, D., Hastie, H., Janarthanam, S., & Lemon, O. (2013). Generating student feedback from time-series data using Reinforcement Learning, 115–124.

Gkatzia, D., Lemon, O., & Rieser, V. (2016). Natural Language Generation enhances human decision-making with uncertain information. *The 54th Annual Meeting of the Association for Computational Linguistics*, 264.

Gkatzia, D., Lemon, O., & Rieser, V. (2017). Data-to-Text Generation Improves Decision-Making Under Uncertainty. *IEEE Computational Intelligence Magazine*, *12*(3), 10–17. https://doi.org/10.1109/MCI.2017.2708998

Hallett, C., Power, R., & Scott, D. (2006). Summarisation and visualisation of e-Health data repos- itories Conference Item Repositories. *UK E-Science All-Hands Meeting*, 18–21.

Härdle, W., & Simar, L. (2007). *Applied Multivariate Statistical Analysis.* *Applied Statistics* (Vol. 22007). Berlin: Springer. https://doi.org/10.2307/2347962

Hospital, Z. (2003). Predicting hepatitis B virus – positive metastatic hepatocellular carcinomas using gene expression profiling and supervised machine learning. *Nature Medicine*, *9*(4), 416. https://doi.org/10.1038/nm843

Hunter, J., Freer, Y., Gatt, A., Reiter, E., Sripada, S., Sykes, C., & Westwater, D. (2011). Bt-Nurse: Computer generation of natural language shift summaries from complex heterogeneous medical data. *Journal of the American Medical Informatics Association*, *18*(5), 621–624. https://doi.org/10.1136/amiajnl-2011-000193

Ihaka, R., & Gentleman, R. (2012). R: a language for data analysis and graphics. *Journal of Computational and Graphical Statistics*, *5*(3), 299–314. https://doi.org/10.1080/10618600.1996.10474713

Käll, L., Canterbury, J. D., Weston, J., Noble, W. S., & MacCoss, M. J. (2007). Semi-supervised learning for peptide identification from shotgun proteomics datasets. *Nature Methods*, *4*(11), 923–925. https://doi.org/10.1038/NMETH1113

Karl Pearson, F. R. S. (1900). On the criterion that a given system of deviations from the probable in the case of a correlated system of variables is such that it can be reasonably supposed to have arisen from random sampling. *The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science*, *50*(302), 157–175. https://doi.org/10.1080/14786440009463897

Kittredge, R. I., & Driedger, N. (1994). Using Natural-Language Processing to Produce Weather Forecasts. *IEEE Expert-Intelligent Systems and Their Applications*, *9*(2), 45–53. https://doi.org/10.1109/64.294135

Kukich, K. (1983). Design of a knowledge-based report generator. *Proceedings of the 21st Annual Meeting on Association for Computational Linguistics -*, 145. https://doi.org/10.3115/981311.981340

Liddy, E. D. (2001). Natural Language Processing. *In Encyclopedia of Library and Information Science*.

McKeown, K., Kukich, K., & Shaw, J. (1994). Practical issues in automatic documentation generation. *Proceedings of the Fourth Conference on Applied Natural Language Processing -*, 7. https://doi.org/10.3115/974358.974361

Mohri, M., Rostamizadeh, A., & Talwalkar, A. (2012). *Foundations of Machine Learning*. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* (Vol. 17). MIT Press. https://doi.org/10.1007/978-3-642-34106-9\_15

Ng, A. Y., Coates, A., Diel, M., Ganapathi, V., Schulte, J., Tse, B., … Liang, E. (2006). Autonomous inverted helicopter flight via reinforcement earning. *Springer Tracts in Advanced Robotics*, *21*, 363–372. https://doi.org/10.1007/11552246\_35

Paliouras, G., Papatheodorou, C., Karkaletsis, V., & Spyropoulos, C. D. (2002). Discovering user communities on the Internet using unsupervised machine learning techniques. *Interacting With Computers*, *14*(6), 761–791. https://doi.org/10.1016/S0953-5438(02)00015-2

Palpanas, T., Vlachos, M., Keogh, E., Gunopulos, D., & Truppel, W. (2004). Online amnesic approximation of streaming time series. *Data Engineering, 2004. Proceedings. 20th International Conference On*, 339–349. https://doi.org/10.1109/ICDE.2004.1320009

Portet, F., Reiter, E., Gatt, A., Hunter, J., Sripada, S., Freer, Y., & Sykes, C. (2009). Automatic generation of textual summaries from neonatal intensive care data. *Artificial Intelligence*, *173*(7–8), 789–816. https://doi.org/10.1016/j.artint.2008.12.002

Portet, F., Reiter, E., Hunter, J., & Sripada, S. (2007). Automatic Generation of Textual Summaries from Neonatal Intensive Care Data. *Lecture Notes in Artificial Intelligence*, 227–236.

Pressman, R. S. (2001a). *Software engineering: a practitioner’s approach* (5th ed.). New York: McGraw-Hill Publishing Company, Inc.

Pressman, R. S. (2001b). *Software Enginering A Practitioner’s Approach*. (B. Jones & E. Gray, Eds.) (FIFTH EDIT). Palgrave Macmillan.

Putra, B., Riza, L. S., & Wihardi, Y. (2017). Pengembangan Sistem Data-to-Text untuk Membangkitkan Berita Cuaca dengan Pendekatan Time-Series dalam R.

Rahman, A. B. (2017). *DETEKSI GENOMIC REPEATS MENGGUNAKAN ALGORITMA KNUTH-MORRIS-PRATT PADA R HIGH-PERFORMANCE COMPUTING PACKAGE*. Bandung.

Ramos-Soto, A., Bugarín, A., & Barro, S. (2016a). Fuzzy Sets Across the Natural Language Generation Pipeline. *Progress in Artificial Intelligence*. https://doi.org/10.1007/s13748-016-0097-x

Ramos-Soto, A., Bugarín, A., & Barro, S. (2016b). On the role of linguistic descriptions of data in the building of natural language generation systems. *Fuzzy Sets and Systems*, *285*, 31–51. https://doi.org/10.1016/j.fss.2015.06.019

Ramos-Soto, A., Bugarin, A., Barro, S., Gallego, N., Rodriguez, C., Fraga, I., & A.Saunders. (2015). Automatic Generation of Air Quality Index Textual Forecasts Using a Data-To-Text Approach. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, *9422*(May), 164–174. https://doi.org/10.1007/978-3-319-24598-0

Reddington, J., & Tintarev, N. (2011). Automatically Generating Stories from Sensor Data. *Proceedings of the 16th International Conference on Intelligent User Interfaces*, (November 2010), 407–410. https://doi.org/10.1145/1943403.1943477

Reiter, E. (1996). Building Natural-Language Generation Systems, 91–93.

Reiter, E. (2010). 20 Natural Language Generation. *… of Computational Linguistics and Natural Language …*. Retrieved from http://gendocs.ru/docs/20/19207/conv\_1/file1.pdf#page=600

Reiter, E. (2011). An Architecture for Data-to-Text Systems. *Computational Intelligence*, *27*(1), 23–40. https://doi.org/10.1111/j.1467-8640.2010.00370.x

Reiter, E., & Dale, R. (1997). Building applied natural language generation systems. *Natural Language Engineering*, *3*(1), 57–87. https://doi.org/10.1017/S1351324997001502

Riza, L. S. (2015). *Data Science and Big Data Processing in R: Representations and Software*.

Riza, L. S., Nasrulloh, I. F., Junaeti, E., Zain, R., & Nandiyanto, A. B. D. (2016). GradDescentR: An R package implementing gradient descent and its variants for regression tasks. *Proceedings - 2016 1st International Conference on Information Technology, Information Systems and Electrical Engineering, ICITISEE 2016*, 125–129. https://doi.org/10.1109/ICITISEE.2016.7803060

Samuel, A. L. (1959). Some studies in machine learning using the game of checkers. *IBM Journal of Research and Development*, *3*(3), 210–229. https://doi.org/10.1147/rd.33.0210

Schneider, A. H., Mort, A., Mellish, C., Reiter, E., & Wilson, P. (2013). MIME - NLG in Pre-Hospital Care. *Fourteenth European Workshop on Natural Language Generation*, 152–156.

Shannon, C. E. (1950). A Chess-Playing Machine. *Scientific American*, *182*(2), 48–51.

Soehn, J., Zinsmeister, H., & Rehm, G. (2007). Requirements of a User-Friendly , General-Purpose Corpus Query Interface.

Spector, P. (2004). An Introduction to R. *Statistical Computing Facility*, (x), 1–10.

Sripada, S. G., & Gao, F. (2007). Summarizing dive computer data: A case study in integrating textual and graphical presentations of numerical data. *Proceedings of the Workshop on Multimodal Output Generation (MOG-2007)*, 149–157.

Sripada, S. G., & Reiter, E. (2003). S UM T IME -M OUSAM : Configurable Marine Weather Forecast Generator. *Expert Update*, *6*(1), 4–1.

Sripada, S. G., Reiter, E., Hunter, J., & Yu, J. (2001). A two-stage model for content determination. *Proceedings of the 8th European Workshop on Natural Language Generation-Volume 8*, *8*, 1–8. https://doi.org/10.3115/1117840.1117842

Sripada, S. G., Reiter, E., Hunter, J., & Yu, J. (2003). Generating English summaries of time series data using the Gricean maxims. *Proceedings of the Ninth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining - KDD ’03*, 187. https://doi.org/10.1145/956755.956774

Stone, P., Sutton, R. S., & Kuhlmann, G. (2005). Reinforcement Learning for RoboCup-Soccer Keepaway. *Adaptive Behavior*, *13*(3), 165–188. https://doi.org/10.1177/105971230501300301

Tang, F., Brennan, S., Zhao, Q., & Tao, H. (2007). Co-Tracking Using Semi-Supervised Support Vector Machines. *Computer Vision*, 1–8.

Thomas, K. E., Sripada, S., & Noordzij, M. L. (2012). Atlas.txt: Exploring linguistic grounding techniques for communicating spatial information to blind users. *Universal Access in the Information Society*, *11*(1), 85–98. https://doi.org/10.1007/s10209-010-0217-5

Turian, J., Ratinov, L., & Bengio, Y. (2010). Word representations : A simple and general method for semi-supervised learning. *Proceedings of the 48th Annual Meeting of the Association for Computational Linguistics*, 384–394.

Turing, A. (1950). Introducci ón a la Inteligencia Artificial. *Intelligence*, *59*, 433–460.

Turner, R., Sripada, S., Reiter, E., & Davy, I. P. (2008). Using spatial reference frames to generate grounded textual summaries of georeferenced data. *Proceedings of the Fifth International Natural Language Generation Conference*, 16–24. https://doi.org/10.3115/1708322.1708328

Williamson, R., & Andrews, B. J. (2000). Gait Event Detection for FES Using Accelerometers and Supervised Machine Learning. *IEEE Transactions on Rehabilitation Engineering*, *8*(3), 312–319.

Ye, Q., Zhang, Z., & Law, R. (2009). Expert Systems with Applications Sentiment classification of online reviews to travel destinations by supervised machine learning approaches. *Expert Systems With Applications*, *36*(3), 6527–6535. https://doi.org/10.1016/j.eswa.2008.07.035

Yu, J., Reiter, E., Hunter, J., & Mellish, C. (2007). Choosing the content of textual summaries of large time-series data sets. *Natural Language Engineering*, *13*(1), 25–49. https://doi.org/10.1017/S1351324905004031

Zanero, S., & Savaresi, S. M. (2004). Unsupervised learning techniques for an intrusion detection system. *Proceedings of the 2004 ACM Symposium on Applied Computing - SAC ’04*, 412. https://doi.org/10.1145/967900.967988