DAFTAR PUSTAKA

[1] Mohieddine Jelali, Control Performance Management in Industrial Automation: Assessment, Diagnosis and Improvement of Control Loop Performance (Advances in Industrial Control), London: Springer-Verlag (2013).

[2] R. Srinivasan, R. Rengaswamy, and R. Miller, "Control loop performance assessment 1. A qualitative approach for stiction diagnosis," *Industrial and Engineering Chemistry Research*, vol. 44, pp. 6708-6718 (2005).

[3] M. Jelali and B. Huang (eds[s]), Detection and Diagnosis of Stiction in Control Loops: State of the Art and Advanced Methods (Advanced in Industrial Control series), London: Springer (2011).

[4] B.R. Navada and K.V. Santosh, "Analysis of stiction faults in pneumatic control valves," *16th Control Instrumentation System Conference, CISCON 2019*, Manipal, India (2019).

[5] J. W. V. Dambros, J. O. Trierweiler, and M. Farenzena, "Oscillation detection in process industries – Part 1: Review of the detection methods," *Journal of Process Control*, vol. 78, pp. 108-123, (2019).

[6] V. Vyatkin, "IEC 61499 as enabler of distributed and intelligent automation: state-of-the-art review," *IEEE Transactions On Industrial Informatics*, vol. 7, no. 4, (2011).

[7] "IEC 61499: The New Standard in Automation," IEC 61499 [Online], Available: www.iec61499.com, [Diakses 15 November 2020].

[8] M.A.A.S. Choudhury, S.L. Shah, N.F. Thornhill, and David S. Shook, "Automatic detection and quantification of stiction in control valves," *Control Engineering Practice*, vol. 14, pp. 1395-1412, (2006).

[9] M.A.A.S. Choudhury, S.L. Shah, and N.F. Thornhill (eds[s]), Diagnosis of Process Nonlinearities and Valve Stiction: Data Driven Approaches (Advances in Industrial Control), Berlin, Heidelberg: Springer (2008).

[10] D. Kristanto, A.N.I. Wardana, and W. Rosita, "Komparasi metode deteksi friksi statis katup berbasis pencocokan grafis," *Jurnal Otomasi Kontrol dan Instrumentasi,* vol. 8, no. 2, pp. 165-178 (2016).

[11] Y.C.A. Hutabarat, A.N.I. Wardana, and W. Rosita, "Detection and quantification of valve stiction based on normality test and Hammerstein system idetification," *American Institute of Physics Conference Proceedings*, vol. 1755 no. 170002, pp. 1-6, (2016).

[12] S. Karra and M.N. Karim, "Alternative model structure with simplistic noise model to identify linear time invariant systems subjected to non-stationary disturbances," *Journal of Process Control,* vol. 19, no. 16, pp. 964-977 (2007).

[13] M. Rossi and C. Scali, "Automatic detection of stiction in actuators: a technique to reduce the number of uncertain cases," *IFAC Proceedings,* vol. 37, no. 9, pp. 751-756 (2004).

[14] Q. P. He, J. Wang, M. Pottmann, and S.J. Qin, "A curve fitting method for detecting valve stiction in oscillating control loops," *Industrial Engineering & Chemistry Research*, vol. 46, pp. 4549-4560 (2007).

[15] Fisher, Control Valve Handbook: Fifth Edition, Marshalltown, Iowa: Emerson Automation Solutions (2017).

[16] S. K. Lahiri, Multivariable Predictive Control: Applications in Industry (First Edition), Hoboken, New Jersey, USA: John Wiley & Sons (2017).

[17] M. Ruel, "Stiction: the hidden menace," *Control Magazine*, vol. 13, pp. 69-75 (2000). [Online]. Available: http://www.expertune.com/articles/RuelNov 2000/stiction.html

[18] M. Kano, H. Maruta, H. Kugemoto, and K. Shimizu, "Practical model and detection algorithm for valve stiction," *Proceeding of IFAC DYCOPS, Cambridge, USA*, (2004).

[19] Srinivasan R., Rengaswamy R., Miller R., "Control loop performance assessment 2: Hammerstein model approach for stiction diagnosis," *Ind Eng Chem Res*, no. 44, pp. 6719-6728 (2005).

[20] T. Strasser, A. Zoitl, and A. Valentini, "Framework for Distributed Industrial Automation and Control (4DIAC)," *The IEEE International Conference on Industrial Informatics* (*INDIN*), (2008).

[21] "Eclipse 4diac – The Open Source Environment for Distributed Industrial Automation and Control Systems," 4diac [Online], Available: www.eclipse.org/4diac, [Diakses 24 Oktober 2020].

[22] "What is Python?," Python [Online]. Available: https://www.python.org /doc/essays/blurb/ [Diakses 12 Oktober 2020].

[23] "Eclipse Mosquitto: An open source MQTT broker," Eclipse Mosquitto [Online]. Available: https://mosquitto.org/ [Diakses 12 Oktober 2020].

[24] M. Bauer, L. Auret, R. Bacci di Capaci, A. Horch, and N. F. Thornhill, "Industrial PID Control Loop Data Repository and Comparison of Fault Detection Methods," *Industrial and Engineering Chemistry Research*, vol. 58, no. 26, pp. 11430-11439, (2019).

[25] N. F. Thornhill, S. L. Shah, B. Huang, and A. Vishnubhotla, "Spectral principal component analysis of dynamic process data*," Control Engineering Practice*, vol. 10 pp. 833-846, (2002).

[26] N. F. Thornhill, J. W. Cox, and M. A. Paulonis, "Diagnosis of plant-wide oscillation through data driven analysis and process understanding," *Control Engineering Practice,* vol. 11 pp. 1481-1490, (2003).

[27] M. A. A. S. Choudhury, N. F. Thornhill, and S. L. Shah, "A data-driven model for valve stiction," *IFAC Advanced Control of Chemical Processes,* (2003).

[28] A. Horch and A. J. Isaksson, "A method for detection of stiction in control valves," *IFAC On-Line Fault Detection and Supervision,* (1998).

[29] Gander W., G.H. Golub, and R. Strebel, "Fitting of circles and ellipses least squares solution." *BIT Numerical Mathematics*, vol. 34, pp. 558-578, (1994).

[30] E. Sisinni, A. Saifullah, S. Han, U. Jennehag, and M. Gidlund, "Industrial internet of things: challenges, opportunities, and directions," *IEEE Transactions on Industrial Informatics,* vol. 14, no. 11, pp. 4724-4734, (2018).

[31] S. Li, Y. Xie, M. Farajtabar, A. Verma and L. Song, "Detecting Changes in Dynamic Events Over Networks," *IEEE Transactions on Signal and Information Processing over Networks*, vol. 3, no. 2, pp. 346-359, (2017).

[32] S.D. Bersch, D. Azzi, R. Khusainov, I.E. Achumba, and J. Ries, "Sensor data acquisition and processing parameters for human activity classification," *Sensors*, vol. 14, pp. 4239-4270, (2014).

[33] K. G. Shin and P. Ramanathan, "Real-time computing: a new discipline of computer science and engineering," *Proceedings of the IEEE*, vol. 82, no. 1, pp. 6-24, (1994).

[34] S. Kudrle, M. Proulx, P. Carrières and M. Lopez, "Fingerprinting for Solving A/V Synchronization Issues within Broadcast Environments," *SMPTE Motion Imaging Journal*, vol. 120, no. 5, pp. 36-46, (2011).

[35] Yonatan C.A. Hutabarat, "Penerapan algoritma identifikasi sistem Hammerstein untuk deteksi *stiction* pada katup kontrol," Skripsi, Universitas Gadjah Mada, (2015).