

DAFTAR PUSTAKA

- [1] M. A. A. Shoukat Choudhury, N. F. Thornhill, and S. L. Shah, “Modelling valve stiction,” *Control Eng. Pract.*, vol. 13, no. 5, pp. 641–658, May 2005, doi: 10.1016/j.conengprac.2004.05.005.
- [2] C. Garcia, “Comparison of friction models applied to a control valve,” *Control Eng. Pract.*, vol. 16, no. 10, pp. 1231–1243, Oct. 2008, doi: 10.1016/j.conengprac.2008.01.010.
- [3] Y. Y. S. Henry, C. Aldrich, and H. Zabiri, “Detection and severity identification of control valve stiction in industrial loops using integrated partially retrained CNN-PCA frameworks,” *Chemom. Intell. Lab. Syst.*, vol. 206, p. 104143, Nov. 2020, doi: 10.1016/j.chemolab.2020.104143.
- [4] M. A. A. Shoukat Choudhury, Sirish. L. Shah, and Nina. F. Thornhill, “Diagnosis of poor control-loop performance using higher-order statistics,” *Automatica*, vol. 40, no. 10, pp. 1719–1728, Oct. 2004, doi: 10.1016/j.automatica.2004.03.022.
- [5] M. A. A. S. Choudhury, S. L. Shah, N. F. Thornhill, and D. S. Shook, “Automatic detection and quantification of stiction in control valves,” *Control Eng. Pract.*, vol. 14, no. 12, pp. 1395–1412, Dec. 2006, doi: 10.1016/j.conengprac.2005.10.003.
- [6] Y. C. A. Hutabarat, A. N. I. Wardana, and W. Rosita, “Detection and quantification of valve stiction based on normality test and Hammerstein system identification,” Beirut, Lebanon, 2016, p. 170002. doi: 10.1063/1.4958604.
- [7] J. W. V. Dambros, J. O. Trierweiler, M. Farenzena, and M. Kloft, “Oscillation Detection in Process Industries by a Machine Learning-Based Approach,” *Ind. Eng. Chem. Res.*, vol. 58, no. 31, pp. 14180–14192, Aug. 2019, doi: 10.1021/acs.iecr.9b01456.
- [8] D. Kristanto, A. N. I. Wardana, and W. Rosita, “Komparasi Metode Deteksi Friksi Statis Katup Berbasis Pencocokan Grafis,” vol. 8, p. 14, 2016.
- [9] H. Zabiri and M. Ramasamy, “NLPCA as a diagnostic tool for control valve stiction,” *J. Process Control*, vol. 19, no. 8, pp. 1368–1376, Sep. 2009, doi: 10.1016/j.jprocont.2009.04.010.
- [10] M. A. A. Shoukat Choudhury, Sirish. L. Shah, and Nina. F. Thornhill, “Diagnosis of poor control-loop performance using higher-order statistics,” *Automatica*, vol. 40, no. 10, pp. 1719–1728, Oct. 2004, doi: 10.1016/j.automatica.2004.03.022.
- [11] N. F. Thornhill, “Finding the source of nonlinearity in a process with plant-wide oscillation,” *IEEE Trans. Control Syst. Technol.*, vol. 13, no. 3, pp. 434–443, May 2005, doi: 10.1109/TCST.2004.839570.
- [12] A. M. O., “Detection of Non-Linearity in the Time Series Using BDS Test,” *Sci. J. Appl. Math. Stat.*, vol. 3, no. 4, p. 184, 2015, doi: 10.11648/j.sjams.20150304.13.
- [13] T. Thadewald and H. Büning, “Jarque–Bera Test and its Competitors for Testing Normality – A Power Comparison,” *J. Appl. Stat.*, vol. 34, no. 1, pp. 87–105, Jan. 2007, doi: 10.1080/02664760600994539.



- [14] M. A. A. Shoukat Choudhury, Sirish. L. Shah, and Nina. F. Thornhill, "Diagnosis of poor control-loop performance using higher-order statistics," *Automatica*, vol. 40, no. 10, pp. 1719–1728, Oct. 2004, doi: 10.1016/j.automatica.2004.03.022.
- [15] "Alan V. Oppenheim, Alan S. Willsky, with S. Hamid-Signals and Systems-Prentice Hall (1996).pdf." Accessed: Apr. 03, 2022. [Online]. Available: [https://eee.guc.edu.eg/Courses/Communications/COMM401%20Signal%20&%20System%20Theory/Alan%20V.%20Oppenheim,%20Alan%20S.%20Willsky,%20with%20S.%20Hamid-Signals%20and%20Systems-Prentice%20Hall%20\(1996\).pdf](https://eee.guc.edu.eg/Courses/Communications/COMM401%20Signal%20&%20System%20Theory/Alan%20V.%20Oppenheim,%20Alan%20S.%20Willsky,%20with%20S.%20Hamid-Signals%20and%20Systems-Prentice%20Hall%20(1996).pdf)
- [16] N. S. Nise, *Control systems engineering*, Seventh edition. Hoboken, NJ: Wiley, 2015.
- [17] M. A. A. S. Choudhury, S. L. Shah, and N. F. Thornhill, *Diagnosis of process nonlinearities and valve stiction: data driven approaches*. Berlin ; London: Springer, 2008.
- [18] "Emerson. "Control Valve Handbook.". Singapore, 2019.
- [19] M. A. A. Shoukat Choudhury, N. F. Thornhill, and S. L. Shah, "Modelling valve stiction," *Control Eng. Pract.*, vol. 13, no. 5, pp. 641–658, May 2005, doi: 10.1016/j.conengprac.2004.05.005.
- [20] "Chand and Kamal - 2014 - Mixed Portmanteau Test for Diagnostic Checking of .pdf." Accessed: Apr. 03, 2022. [Online]. Available: <https://downloads.hindawi.com/journals/jam/2014/545413.pdf>
- [21] Syarifuddin and W.A. Pratomo, "Efektivitas Penggunaan ARIMA dan VAR Dalam Memprediksi Permintaan Kredit Di Indonesia", *Jurnal Ekonomi dan Keuangan*, Juni 2013.
- [22] "Forecasting of Demand Using ARIMA Model," *Int. J. Eng. Bus. Manag.*.
- [23] M. Shouran and E. Elgamli, "Design and Implementation of Butterworth Filter," *Int. J. Innov. Res. Sci. Eng. Technol.*, vol. 9, p. 7975, Sep. 2020.
- [24] L. D. Paarmann, "Design and Analysis of Analog Filter : A Signal Processing Perspective." Kluwer Academic Publisher, New York, 2003.
- [25] G. Ellis, *Control system design guide: using your computer to understand and diagnose feedback controllers*, Fourth edition. Amsterdam: Elsevier/BH, 2012.
- [26] "False Positive Rate | Split Glossary," *Split*. <https://www.split.io/glossary/false-positive-rate/> (accessed Jun. 01, 2022).
- [27] Y. Y. S. Henry, C. Aldrich, and H. Zabiri, "Detection and severity identification of control valve stiction in industrial loops using integrated partially retrained CNN-PCA frameworks," *Chemom. Intell. Lab. Syst.*, vol. 206, p. 104143, Nov. 2020, doi: 10.1016/j.chemolab.2020.104143.
- [28] "Building Smarter Planet Solutions with MQTT and IBM WebSphere MQ Telemetry," p. 268.
- [29] "Reza Andriadi., "Impementasi Deteksi Kesalahan Pada Pabrik Kimia Secara Real-Time Dengan On-The-Fly Semi-Supervised Learning berbasis Support Vector Machines". Yogyakarta, 2021.
- [30] M. Jelali and B. Huang, Eds., *Detection and Diagnosis of Stiction in Control Loops*. London: Springer London, 2010. doi: 10.1007/978-1-84882-775-2.





- [31] M. Rossi and C. Scali, "A comparison of techniques for automatic detection of stiction: simulation and application to industrial data," *J. Process Control*, vol. 15, no. 5, pp. 505–514, Aug. 2005, doi: 10.1016/j.jprocont.2004.11.003.
- [32] S. Chand and S. Kamal, "Mixed Portmanteau Test for Diagnostic Checking of Time Series Models," *J. Appl. Math.*, vol. 2014, pp. 1–8, 2014, doi: 10.1155/2014/545413.
- [33] S. L. Ho, M. Xie, and T. N. Goh, "A comparative study of neural network and Box-Jenkins ARIMA modeling in time series prediction," *Comput. Ind. Eng.*, vol. 42, no. 2–4, pp. 371–375, Apr. 2002, doi: 10.1016/S0360-8352(02)00036-0.

