

## DAFTAR PUSTAKA

- [1] J. J. Downs and E. F. Vogel, "A plant-wide industrial process control problem," *Computers & chemical engineering*, vol. 17, no. 3, pp. 245–255, 1993.
- [2] *Process Flow Diagram*. PT.Petrokimia Gresik, 1991.
- [3] S. X. Ding, S. Yin, K. Peng, H. Hao, and B. Shen, "A novel scheme for key performance indicator prediction and diagnosis with application to an industrial hot strip mill," *IEEE Transactions on Industrial Informatics*, vol. 9, no. 4, pp. 2239–2247, 2013.
- [4] K. Varmuza and P. Filzmoser, *Introduction to multivariate statistical analysis in chemometrics*. CRC press, 2016.
- [5] R. Patton, F. Uppal, and C. Lopez-Toribio, "Soft computing approaches to fault diagnosis for dynamic systems: a survey," in *4th IFAC Symposium on Fault Detection supervision and Safety for Technical Processes*, 2000, pp. 198–211.
- [6] A. A. S. Choudhury, S. L. Shah, and N. F. Thornhill, *Diagnosis of process nonlinearities and valve stiction: data driven approaches*. Springer Science & Business Media, 2008.
- [7] Y. A. Shardt, H. Hao, and S. X. Ding, "A new soft-sensor-based process monitoring scheme incorporating infrequent kpi measurements," *IEEE Transactions on Industrial Electronics*, vol. 62, no. 6, pp. 3843–3851, 2015.
- [8] S. X. Ding, *Data-driven design of fault diagnosis and fault-tolerant control systems*. Springer, 2014.
- [9] S.-L. Jämsä-Jounela, "Future trends in process automation," *Annual Reviews in Control*, vol. 31, no. 2, pp. 211–220, 2007.
- [10] S. Yin, S. X. Ding, A. Haghani, H. Hao, and P. Zhang, "A comparison study of basic data-driven fault diagnosis and process monitoring methods on the benchmark tennessee eastman process," *Journal of Process Control*, vol. 22, no. 9, pp. 1567–1581, 2012.
- [11] H. Hao, K. Zhang, S. X. Ding, Z. Chen, and Y. Lei, "A data-driven multiplicative fault diagnosis approach for automation processes," *ISA transactions*, vol. 53, no. 5, pp. 1436–1445, 2014.
- [12] G. Li, S. J. Qin, and D. Zhou, "Geometric properties of partial least squares for process monitoring," *Automatica*, vol. 46, no. 1, pp. 204–210, 2010.

- [13] Z. Yingwei and T. Nan, "Pls-based fault-relevant reconstruction," in *The 26th Chinese Control and Decision Conference (2014 CCDC)*. IEEE, 2014, pp. 4258–4263.
- [14] K. Zhang, H. Hao, Z. Chen, S. X. Ding, and K. Peng, "A comparison and evaluation of key performance indicator-based multivariate statistics process monitoring approaches," *Journal of Process Control*, vol. 33, pp. 112–126, 2015.
- [15] P. A. Pawestri, F. Novkaniza, and I. Fithriani, "Penaksiran parameter univariate partial least square regression menggunakan algoritma nipals (non linier iterative partial least square)," in *Prosiding Seminar Nasional Matematika IV*, no. 4, 2013.
- [16] Y. Purwanti, "Pendugaan parameter partial least square regression (pls) menggunakan nonlinier iterative partial least square (nipals) pada regresi logistik ordinal," *Jurnal Mahasiswa Statistik*, vol. 2, no. 3, pp. pp–173, 2014.
- [17] D. M. Allen, "Mean square error of prediction as a criterion for selecting variabls," *Technometrics*, pp. 469–475, 1971.
- [18] G. E. Box *et al.*, "Some theorems on quadratic forms applied in the study of analysis of variance problems, i. effect of inequality of variance in the one-way classification," *The annals of mathematical statistics*, vol. 25, no. 2, pp. 290–302, 1954.
- [19] S. Ding, *Model-based fault diagnosis techniques: design schemes, algorithms, and tools*. Springer Science & Business Media, 2008.
- [20] M. Gevrey, I. Dimopoulos, and S. Lek, "Review and comparison of methods to study the contribution of variables in artificial neural network models," *Ecological modelling*, vol. 160, no. 3, pp. 249–264, 2003.
- [21] H. Benson, J. Field, and R. Jameson, "Co2 absorption: employing hot potassium carbonate solutions," *Chem. Eng. Prog.:(United States)*, vol. 50, no. 7, 1954.
- [22] S. Kartohardjono, A. Anggara, S. Subihi, and Y. Yuliusman, "Absorbsi co2 dari campurannya dengan ch4 atau n2 melalui kontaktor membran serat berongga menggunakan pelarut air," *MAKARA*, vol. 11, no. 2, pp. pp–97, 2009.
- [23] P. V. Danckwerts and A. Lannus, "Gas-liquid reactions," *Journal of The Electrochemical Society*, vol. 117, no. 10, pp. 369C–370C, 1970.
- [24] S. Nugroho and G. D. Haryadi, "Pengaruh media quenching air tersirkulasi (circulated water) terhadap struktur mikro dan kekerasan pada baja aisi 1045," *ROTASI*, vol. 7, no. 1, pp. 19–23, 2005.

- [25] P. Fu, W. Yi, X. Bai, Z. Li, S. Hu, and J. Xiang, "Effect of temperature on gas composition and char structural features of pyrolyzed agricultural residues," *Bioresource Technology*, vol. 102, no. 17, pp. 8211–8219, 2011.