

DAFTAR PUSTAKA

- Abu-Shawiesh, M.O., Al-Athari F.M., dan Kittani, H.F, 2009, Confidence Interval for The Mean of A Contaminated Normal Distribution, *Journal of Applied Sciences*, Vol 9, Issue 15, 2835-2840.
- Abu-Shawiesh, M.O., Kibria, B.M.G., dan George, F, 2012, A robust bivariate control chart alternative to the Hotelling's T^2 control chart, *Quality and Reliability Engineering International*, DOI:10.1002/qre.1474.
- Abu-Shawiesh, M.O., Kibria, B.M.G., dan George, F, 2014, A comparison of some robust bivariate control charts for individual observations, *International Journal for Quality Research*, Vol 8, Issue 2, 183-196.
- Alfaro J.L dan Ortega, J.F, 2009, A Comparison of robust alternatives to the Hotelling's T^2 , *Journal of Applied Statistics*, Vol 36, Issue 12, 1385-1396.
- Alt, F.B., 1985, *Multivariate quality control*, In the *Encyclopedia of Statistical Sciences*, Volume 7, Kotz S Johnson N (eds), John Wiley and Sons , New York.
- Alva, Jose. A.V dan Estrada, E.Gonzalez, 2009, A Generalization of Shapiro-Wilk's Test for Multivariate Normality, *Communication in Statistics-Theory and Methods*, Vol 38, Issue 11, 1870-1883.
- Argadewi, Yuna, 2015, Modifikasi Grafik Pengendali Robust Berdasarkan Median Absolute Deviation (MAD), *Skripsi*, FMIPA, UGM, Yogyakarta.
- Chenouri, Shoja'eddin, Variyath, A.Mulayath, dan Steiner, H. Stefan, 2009, A Robust Multivariate Control Chart for Individual Observations, *Journal of Quality*, Vol 41, Issue 3, 259-271.
- Croux, C dan Haesbroeck, G, 1999, Influence Function and Efficiency of The Minimum Covariance Determinant Scatter Matrix Estimator, *Journal of Multivariate Analysis*, 71, 161-190.
- Davies, P. Laurie dan Gather, Ursula, 2005, Breakdown and Groups, *The Annals of Statistics*, 33, 977-988.
- Davies, P.L dan Gather, U, 2007, The Breakdown Point : Examples and Counterexamples, *REVSTAT Statistical Journal*, 5, 1-17.



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GRAFIK PENGENDALI
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- Donoho, D.L dan Huber, P.J, 1983, The notion of breakdown point, *Festschrift for Erich L Lehmann in Honor of His Sixty-fifth Birthday* (P.J Bickel, K. A. Doksum and J. L. Hodges, Jr., eds), 157-184, Wadsworth, Belmont, California.
- Falk, M. ,1997, On MAD and Comedians, *Annals of the Institute of Statistical Mathematics*, 49, 615-644.
- Falk, M. ,1998, A Note on the Comedian for Elliptical Distribution, *Journal of Multivariate Analysis*, 67, 306-317.
- Fiandra, I, 2015, Grafik Pengendali Multivariat Robust dengan Estimator *Minimum Covariance Determinant* untuk Observasi Individu, *Skripsi*, FMIPA, UGM, Yogyakarta.
- Firmani, A.N, 2015, Pengendalian Kualitas *Raw Meal* di *Rawmill* pada Proses Produksi Semen (Studi Kasus : PT Holcim Indonesia, Tbk Pabrik Cilacap), *Laporan Kerja Praktek*, FMIPA, UGM, Yogyakarta.
- Hair, J. F. Jr, Anderson, R.E, Tatham, R.L dan Black, W. C, 1998, *Multivariate Data Analysis*, 5th edn, Prentice-Hall, New Jersey.
- Hampel, F.R, 1968, Contributions to the Theory of Robust Estimation, *Ph.D Thesis*, Dept. Statistics, University California, Berkeley.
- Hampel, F.R, 1974, The Influence Curve and Its Role in Robust Estimation, *Journal of the American Statistical Association*, 69, 383-393..
- Hawkins, D.M, 1980, *Identification of Outliers*, Chapman and Hall, New York.
- Hotelling, H. , 1950, A Generalized T-test and Measure of Multivariate Dispersion, *Second Berkeley Symposium on Mathematical Statistics and Probability*, Berkeley, 31 Juli-12 Agustus.
- Huber, P. J, 1981, *Robust Statistics*, John Wiley and Sons, New York.
- Jensen,W.A, Birch, J.B., dan Woodall, W.H , 2007, High Breakdown Estimation Methods for Phase I Multivariate Control Charts, *Quality and Reliability Engineering International*, 23, 615-629.
- Johnson, R.A dan Wichern, D.W, 1982, *Applied Multivariate Statistical Analysis*, Prentice Hall, New Jersey.



Mason, R. L, Tracy, N. D dan Young, J.C, 1997, A Practical Approach for Interpreting Multivariate T^2 Control Chart Signals, *Journal of Quality Technology*, 29, 396-406.

Montgomery, D.C, 1985, *Pengantar Pengendalian Kualitas Statistik*, (diterjemahkan oleh: Prof. Dr. Zanzawi Soejoeti, M.Sc), Gadjah Mada University Press, Yogyakarta.

Montgomery, D.C , 2005, *Introduction to Statistical Quality Control*, 5th ed, John Wiley & Sons, USA.

Pison, G., Van Alest, S. dan Willems, G , 2002, Small Sample Corrections for LTS and MCD, *Metrika*, 329-342.

Rousseeuw, P.J dan Croux, C, 1993, Alternatives to the Median Absolute Deviation, *Journal of the American Statistical Asociation*, 88, 1273-1283.

Rousseeuw, P. J dan Leroy, A.M, 1987, *Robust Regression and Outlier Detection*, John Wiley and Sons, New York.

Rousseeuw, P.J. dan Driessen, V., 1999, A Fast Algorithm for the Minimum Covariance Determinant Estimator, *Technometrics*, 41, 212-223.

Subanar, 2013, *Statistika Matematika*, Graha Ilmu, Yogyakarta.

Tyler, David.E, 1994, Finite Sample Breakdown Points of Projection Based Multivariate Location and Scatter Statistics, *The Annals of Statistics*, 22, 1024-1044.

Vargas, J.A. dan Lagos, C.J, 2007, Comparison of multivariate control charts for process dispersion, *Quality Engineering*, 19, 191-196.

Wilcox, R.R dan Keselman, H.J, 2003, Modern Robust Data Analysis Methods : Measures of Central Tendency, *Psychological Methods*, 8, 254-274.

Woodaal, W.H, Spitzner, D.J, Montgomery, D.C, dan Gupta, S, 2004, *Using Control Charts to Monitor Process and Product Quality Profiles*, Journal of Quality Technology, Vol 36, Issue 3, 309-320.

http://en.wikipedia.org/wiki/Robust_estimators_of_location , diakses pada tanggal 14 Oktober 2015 pukul 11.33

http://en.wikipedia.org/wiki/Robust_measures_of_scale , diakses pada tanggal 10 Oktober 2015 pukul 14.17

http://en.wikipedia.org/wiki/Robust_statistics , diakses pada tanggal 12 Oktober 2015 pukul 12.11



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