

DAFTAR PUSTAKA

- Anton, H. dan Rorres, C., 2005, *Elementary Linear Algebra*, Ninth Edition, John Wiley and Sons, New York.
- Bain, L.J. dan Engelhardt, M., 1992, *Introduction to Probability and Mathematical Statistics*, Duxbury Press, California.
- Badan Pusat Statistik, 2018, *Publikasi Badan Pusat Statistik*, Jakarta.
- Campbell, N., Lopuhaa, H., and Rousseeuw, P., 1998, On the Calculation of A Robust S-estimator of A Covariance Matrix, *Statistics in Medicine*, 17:2685-2695.
- Croux, C dan Rousseeuw, P.J., 1992, A Class of High-Breakdown Estimators Based on Subranges, *Commun. Statist. Theory Meth*, 21:1935-1951.
- Davies, L., 1987, Asymptotic Behavior of S-Estimators of Multivariate Location Parameters and Dispersion Matrices, *The Annals of Statistics*, 15:1269-1292.
- Donoho, D., 1982, *Breakdown Properties of Multivariate Location Estimators*, PhD thesis, Ph.D. Qualifying paper, Dept. Statistics, Harvard University, Boston.
- Gnanadesikan, R., dan Kettenring, J. R., 1972, Robust Estimates, Residuals, and Outlier Detection With Multiresponse Data, *Biometrics*, 28:81-124.
- Huber, P. J. dan Ronchetti, E. M., 2009, *Robust Statistics*, Second Edition, John Wiley and Sons, New Jersey.
- Hubert, M. dan Debruyne, M., 2009, Breakdown Value, *Wiley Interdiscip. Rev. Comput. Stat.*, 1:296-302.
- Hubert, M. dan Debruyne, M., 2010, Minimum Covariance Determinant, *Wiley Interdiscip. Rev. Comput. Stat.*, 2:36-43.

- Hubert, M., Rousseeuw, P., dan Verdonck, T., 2012, A Deterministic Algorithm for Robust Location and Scatter, *Journal of Computational and Graphical Statistics*, 21:618637.
- Hubert, M., Rousseeuw, P., dan Vakili, K., 2014, Shape Bias of Robust Covariance Estimators: An Empirical Study, *Statistical Papers*, 55:1528.
- Hubert, M., Rousseeuw, P., Vanpaemela, D., dan Verdonck, T., 2015, The DetS and DetMM Estimators for Multivariate Location and Scatter, *Comput. Stat. & Data Anal.*, 81:6475.
- Johnson, R.A. dan Wichern, D.W., 2007, *Applied Multivariate Statistical Analysis*, Pearson Prentice Hall, New Jersey.
- Jureckova, J. dan Portnoy, S., 1987, Asymptotics for One-Step M-Estimators in Regression with Application to Combining Efficiency and High Breakdown Point, *Communications in Statistics - Theory and Methods*, 16(8):2187-2199.
- Kartiko, S. H. dan Guritno, S., 2007, *Metode Statistika Multivariat*, Universitas Terbuka, Jakarta.
- Lopuhaä, H., 1989, On the Relation between S-Estimators and M estimators of Multivariate Location and Covariance, *The Annals of Statistics*, 17(4):16621683.
- Lopuhaä, H., dan Rousseeuw, P., 1991, Breakdown Points of Affine Equivariant Estimators of Multivariate Location and Covariance Matrices, *The Annals of Statistics*, 19:229248.
- Maronna, R. dan Zamar, R., 2002, Robust Estimates of Location and Dispersion for High-Dimensional Data Sets, *Technometrics*, 44:307317.
- Mongomery, D., Peck, E., dan Vining, G., 2012, *Introduction to Linear Regression Analysis*, John Wiley and Sons, New Jersey.
- Noeryanti, 2000, *Mendeteksi Outlier pada Data Multivariat dalam Beberapa Populasi*, Theses, Department Of Mathematics, Universitas Gadjah Mada, Yogyakarta.

- Olive, D. J., 2004, A Resistant Estimator of Multivariate Location and Dispersion, *Computational Statistics and Data Analysis*, 46:93102.
- Olive, D. J., 2008, *Applied Robust Statistics*, Department Of Mathematics, Southern Illinois University, United States.
- Rocke, D., 1996, Robustness Properties of S-Estimators of Multivariate Location and Shape in High Dimension, *The Annals of Statistics*, 24(3):13271345.
- Rousseeuw, P., 1984, Least Median of Squares Regression, *Journal of the American Statistical Association*, 79:871880.
- Rousseeuw, P., dan Croux, C., 1993, Alternatives to the Median Absolute Deviation, *Journal of the American Statistical Association*, 88:12731283.
- Rousseeuw, P., dan Hubert, M., 2013, High-Breakdown Estimators of Multivariate Location and Scale, *Technometrics*, 41:212223.
- Rousseeuw, P., dan Leroy, A., 1987, *Robust Regression and Outlier Detection*, Wiley-Interscience, New York.
- Rousseeuw, P., dan Van Driessen, K., 1999, A Fast Algorithm for the Minimum Covariance Determinant Estimator, *Technometrics*, 41:212223.
- Rousseeuw, P., dan Yohai, V., 1984, Robust Regression by Means of S Estimators, In Franke, J., Härdle, W., and Martin, R., editors, *Robust and Nonlinear Time Series Analysis*, pages 256272, New York. Lecture Notes in Statistics No. 26, Springer-Verlag.
- Ruppert, D., 1992, Computing S-Estimators for Regression and Multivariate Location/Dispersion, *Journal of Computational and Graphical Statistics*, 1:253270.
- Salibian-Barrera, M., Van Aelst, S., dan Willems, G., 2006, PCA Based on Multivariate MM-Estimators with Fast and Robust Bootstrap, *Journal of the American Statistical Association*, 101:11981211.

Salibian-Barrera, M., dan Yohai, V., 2006, A Fast Algorithm for S-regression Estimates, *Journal of Computational and Graphical Statistics*, 15:414427.

Tatsuoka, K., and Tyler, D., 2000, On the Uniqueness of S-functionals and M-functionals Under Nonelliptical Distributions, *The Annals of Statistics*, 28:12191243.

Widodo, E., 2015, *Estimasi Model Permukaan Respon Multivariat dengan Data Outlier*, Ph.D. Dissertation, Department Of Mathematics, Universitas Gadjah Mada, Yogyakarta.

Yohai, V., 1987, High Breakdown Point and High Efficiency Robust Estimates for Regression, *The Annals of Statistics*, 15:642656.

Yohai, V., dan Zamar, R., 1991, Discussion of Least Median of Squares estimation in power systems by L. Mili, V. Phaniraj and P.J. Rousseeuw. *IEEE Transactions on Power Systems*, 6:520.