

DAFTAR PUSTAKA

- Adiga US, Preethika A, Swathi K. 2015. Sigma metrics in clinical chemistry laboratory – A guide to quality control. In *Al Ameen Journal of Medical Sciencis*. Vol 8(4), pp: 281-287.
- Aggarwal K, Patra S, Acharya V, Agrawal M, Mahapatra SK. 2019. Application of six sigma metrics and method decision charts in improving clinical chemistry laboratory performance enhancement. In *International Journal of Advances in Medicine*. Vol 6(5), pp: 1524-1530.
- American Association for Clinical Chemistry (AACC), 2021. Total Allowabel Error (TEa): How Much Error Can Your Laboratory Allow. Diakses dari <https://www.aacc.org/cln/articles/2021/december/total-allowable-error-tea-how-much-error-can-your-laboratory-allow>
- Boroujeni AM, Pincus MR. 2018. Systematic Error Detection in Laboratory Medicine, diakses dari www.intechopen.com.
- Centers for Medicare & Medicaid Services (CMS). 2021. How to Use The Fishbone Tool for Root Cause Analysis. Diakses dari <https://www.cms.gov/medicare/provider-enrollment-and-certification/qapi>
- Centers for Medicare & Medicaid Services (CMS). 2021. CLIA Program and Medicare Services. Diakses dari <https://www.cms.gov/Outreach-and-Education/Medicare-Learning-Network-MLN/MLNProducts.pdf>
- Chauhan KP, Patel JD, Trivedi A. 2017. Six sigma in clinical biochemistry: it matters, measure it. In *International Journal of Clinical Biochemistry and Research*. Vol 4(3): pp: 270-274.
- Clinical Laboratory Improvement Amendments (CLIA). 2019. Clinical Laboratory Improvement Amendments of 1988 (CLIA) Proficiency Testing Regulations Related to Analytes and Acceptable Performance. Vol 84(23), pp: 1536-1567.
- Coskun A, Inal T, Unsal I, Serteser M. 2010. Six Sigma as a Quality Management Tool: Evaluation of Performance in Laboratory Medicine, diakses dari www.intechopen.com
- Council for Six Sigma Certification (CSSC). 2018. In *A Complete Training & Reference Guide for White Belts, Yellow Belts, Green Belts and Black Belts*. July 2018 Edition, pp: 8-93.
- DeVries H, Fritsma GA. 2020. Quality Assurance in Hematology and Hemostasis Testing. In *Rodak's Hematology Clinical Principle and Application*. Elsevier, pp: 8-31.
- Dooley K. Frequency of QC – Implication for Patient Safety. Tersedia di www.westgard.com. Dilihat pada 8 Agustus 2021.
- Ekawati Y. 2017. *Sigma Metrics* Parameter Kimia Klinik Laboratorium Sentral RSUP. Dr. M. Djamil Padang. Diakses dari <http://scholar.unand.ac.id>
- Eltario M. 2019. Kontrol Kualitas Pra-Analitik Kimia Klinik Laboratorium Sentral Pada RSUP. Dr. M. Djamil Padang. Diakses dari <http://scholar.unand.ac.id>

- Fuadi R. 2019. Using Six Sigma to evaluate analytical performance of hematology analyzer. In *Indonesian Journal of Clinical Pathology and Medical Laboratory*. Vol 25(2), pp: 165-169.
- Gras JM, Philippe M. 2007. Application of the Six Sigma concept in clinical laboratories: a review. In *Clinical Chemistry and Laboratory Medicine*. Vol 45(6), pp: 789-796.
- Gulbahar O, Kocabiyik M, Ciraci MZ, Demirta C, Ucar F, Bayraktar N, *et al.* 2018. The use of six sigma methodology to evaluate the analytical performances of clinical chemistry analyzers. In *Turkish Journal of Biochemistry*. Vol 43(1), pp: 1-8.
- Jha PK, Sharma N, Chandra J. 2020. Evaluation of Sigma-Metric and Application of Quality Tools in Clinical Laboratory of a Tertiary Care Hospital. In *Indian Journal of Clinical Biochemistry*, pp: 1-8.
- Harrison HH, Jones JB. 2017. Using Sigma Quality Control to Verify and Monitor Performance in a Multi-Instrument, Multisite Integrated Health Care Network. In *Clinics in Laboratory Medicine*. Vol 37(1), pp: 207-241.
- Haeckel R, Gurr E, Hoff T. Guide Limits of the German Society of Clinical Chemistry and Laboratory Medicine (DGKL). 2016. Bias, its minimization or circumvention to simplify internal quality assurance. In *Laboratoriums Medizin*. Vol 40(4), pp: 263-270.
- Hens K, Berth M, Armbrustes D, Westgard S. 2014. Sigma metrics used to assess analytical quality of clinical chemistry assays: importance of the allowable total error (TE_a) target. In *Clinical Chemistry and Laboratory Medicine*. Vol 52(7), pp: 973-980.
- Indonesian External Quality Assurance Service, INAEQAS. 2021. Laporan Hasil Uji Profisiensi Kimia Klinik Siklus 1 Tahun 2021.
- Kahar H. 2016. Interpretasi Hasil Pemantapan Mutu Eksternal. Disampaikan pada Kongres Nasional HKKI XIV. Himpunan Kimia Klinik Indonesia.
- Kementerian Kesehatan Republik Indonesia. Peraturan Menteri Kesehatan Republik Indonesia Nomor 411/MENKES/PER/III/2010 tentang Laboratorium Klinik.
- Kristensen GBB, Meijer P. 2016. Interpretation of EQA results and EQA-based trouble shooting. In *Biochemia Medica* 2017;27(1):49-6.
- Kumar BV, Mohan T. 2018. Sigma metrics as a tool for evaluating the performance of internal quality control in a clinical chemistry laboratory. In *Journal of Laboratory Physicians*. Vol 10, pp: 194-199.
- Kumar S, Datta R, Shetty N. 2020. Evaluation of Sigma Metrics of Commonly Assayed Biochemical Parameters in a Clinical Laboratory. In *Journal of Clinical Chemistry and Laboratory Medicine*. Vol 13(142), pp: 1-6.
- Lesthiowati D. 2020. Analitik Pemeriksaan Kimia Klinik. Dipresentasikan pada INAEQAS Webinar Series 2020: Webinar Kimia Klinik Managing Good External Quality Control
- Litten, J. 2017. Applying Sigma Metrics to Reduce Outliers. In *Clinics in Laboratory Medicine*. Vol: 37(1), pp: 177-186.

- Medina PA, Matibag J, Lim SJD, Nuqui EA. 2019. A Pilot on the Evaluation of Clinical Chemistry Laboratory Test Performance using Six Sigma Metrics. In *Philippine Journal of Pathology*. Vol 2019.
- Miller WG, 2011, Quality Control In *Henry's Clinical Diagnosis and Management by Laboratory Methods* 22nd ed. Philadelphia. Elsevier Saunders, p 119-134.
- Miller WG. 2017. Quality Control. In *Henry's Clinical Diagnosis and Management by Laboratory Methods*. 23th Edition. Elsevier, pp: 112-129.
- Miller WG, Sandberg S. 2018. Quality Control of the Analytical Examination Process. In *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*. 6th Edition. Elsevier, pp: 121-156.
- Molinaro R. 2013. Quality Control and Proficiency Testing. Tersedia di www.aacc.org, diunduh pada 8 Agustus 2021.
- Ramteke TD, Chalak AS, Maksane SN. 2021. Sigma Metrics: A Powerful Tool for Performance Evaluation and Quality Control Planning in a Clinical Biochemistry Laboratory. In *Journal of Clinical and Diagnostic Research*. Vol 15(3), pp: 20-23.
- Rogers MW, Letsos CB, Henderson MPA, Willis MS, McCudden CR. 2018. Method Evaluation and Quality Control. In *Clinical Chemistry Principles, Techniques and Correlations*. 8th Edition, Wolters Kluwer, pp: 186-274.
- Sari DY. 2020. Mengevaluasi PME Kimia Klinik. Disampaikan pada Webinar INAEQAS: Managing Good External Quality Control. INAEQAS PDS Patklin
- Setiawan D. 2018. Keandalan tes laboratorium. Dalam *Bahan Ajar Teknologi Laboratorium Medik: Kendali Mutu*. Kementerian Kesehatan Republik Indonesia, hal: 221-234.
- Teshome M, Worede A, Asmelash D. 2020. Total Clinical Chemistry Laboratory Errors and Evaluation of the Analytical Quality Control Using Sigma Metric for Routine Clinical Chemistry Tests. In *Journals of Multidisciplinary Healthcare*. Vol 14, pp: 125-136.
- Timan IS. 2021. Six Sigma. Disampaikan pada Seminar Pemantapan Mutu 2021. Lembaga Pemantapan Mutu Laboratorium Kesehatan Indonesia.
- Verma M, Dahiya K, Ghalaut VS, Dhupper V. 2018. Assessment of quality control roadmap towards preparation for NABL. In *World Journal of Methodology*. Vol 8(3), pp: 44-50.
- Westgard JO, Westgard SA. 2006. The quality of laboratory testing today: an assessment of sigma metrics for analytic quality using performance data from proficiency testing surveys and the CLIA criteria for acceptable performance. In *American Journal of Clinical Pathology*. Vol125, pp: 343–354.
- Westgard JO, 2011. Identifying Failure Modes. In *Six Sigma Risk Analysis*. Diakses dari www.westgard.com
- Westgard SA, Westgard JO. 2014. Introducing Westgard Sigma Rule™. Diakses dari www.westgard.com
- Westgard SA. 2018. 2018 Global Six Sigma Survey Results. Diakses dari <https://www.westgard.com/2018-global-six-sigma-survey-results.htm>

- Westgard SA, Bayat H, Westgard JO. 2018a. Analytical Sigma metrics: A review of Six Sigma implementation tools for medical laboratories. In *Biochemia Medica*, Vol 28(2), pp: 1-12.
- Westgard SA, Bayat H, Westgard JO. 2018b. Special issue on Six Sigma metrics – experiences and recommendations. In *Biochemia Medica*, Vol 28(2), pp: 1-3.
- Westgard JO, 2019. QC The Calculations. Diakses dari <https://www.westgard.com/lesson14.htm>
- Westgard JO, Westgard SA. 2019. Establishing Evidence-Based Statistical Quality Control Practices. In *American Journal of Clinical Pathology*. Vol 151, pp: 364-370.
- Westgard SA, Westgard JO, 2020. Six Sigma Metric Analysis for Analytical Testing Processes. Abbott, pp: 1-9.
- World Health Organization (WHO). 2016. Overview of External Quality Assessment (EQA). Diunduh dari www.who.int/ihr/training/laboratory_quality
- Zhou B, Wu Y, He H, Li C, Tan L, Cao Y, 2019. Practical application of Six Sigma management in analytical biochemistry processes in clinical settings. In *Journal of Clinical Laboratory Analysis*. Vol34, pp: 1-10.

