



Instrumentasi

Scientific Publication

ISSN 0125-9202, e-ISSN 2460-1462 | Volume 46 No. 1 | January - June 2022

Accreditation

RISTEK-BRIN Nomor 200/M/KPT/2020

Instrumentasi

Scientific Publication

About this journal

Instrumentasi is a scientific journal with high standard of papers that issued biannually by the National Standardization Agency (BSN) in corporation with Himll. In its first years, **Instrumentasi** was categorized as a scientific publication in the field of measuring techniques and measuring instruments which has been rapidly improved towards modern technology, and consequently, upgraded to a unique scientific journal in its class. Further, it is also accredited by the Ministry of Research, Technology and Higher Education of Republic of Indonesia (Kementerian Ristek / BRIN).

The scientific areas covered by **Instrumentasi** are those backboneed by scientific measurements and thus range from instrument engineering, metrology, testing, and control. All papers submitted are refereed by bona fide reviewers from leading research institutions as well as universities prior to publication to keep their quality meet the standard of the journal. The review is carried out mainly on the basis of originality, novelty, and contribution to scientific measurement. Authors need to complete the ethical clearance form for publication.

Papers may be submitted in either Indonesian or English. Titles, abstracts, and keywords, however, must be written in both languages for the purpose of indexing internationally. Papers written in English will be prioritized for publication when available space is limited.

Board of Editors

Editor-in-Chief

Dr. Harry Budiman, M.Sc. BSN

Managing Editors

Dr. Ir. Endang Juliastuti, M.S. ITB

Dr. Eng. Agustinus Winarno MMI

Ardi Rahman, S.T., M.Eng. BSN

Okasatria Novyanto, S.T., M.Sc. BSN

Wiwin Farhanita, S.T., M.Kom. BSN

Iip Ahmad Rifai, S.T. BSN

Yulita Ika Prawestri, S.T., M.T. BSN

Suningsih, S.E. BSN

Rika Dwi Susmiarni, S.Kel. BSN

Andi Harmawan, A.Md. BSN

Reviewers

Dr. Aditya Achmadi, M.T. BSN

Dr. Agustinus Probo Drijakara, M.Eng. BSN

Arfan Sindhu Tistomo, M.Sc. BSN

Agah Faisal, S. Si., M.Sc. BSN

Dr. Ghufon Zaid, M.Sc. BSN

Dyah Setyarini, S. Si., M.Si. BSN

Maharani Ratna Palupi, M.Si. BSN

Renanta Hayu Kresiani, M.Si. BSN

Prof. Dr. Ir. Husein Avicenna Akil, M.Sc. BRIN

Dr. Tatik Maftukah, M.T. BRIN

Prof. Dr. Sensus Wijonarko, M.Sc. BRIN

Ir. R. Hadi Sardjono, M.Eng.Sc. BRIN

Dra. Nuryatini, M.S. BRIN

Drs. Daryono Restu Wahono, M.Si. BRIN

Dr. Purwowibowo, M.T. BRIN

Ir. Hidayat Wiradinata, M.Eng.Sc. BRIN

Dr. Oman Zuas, S.Si, M.Sc. BRIN

Drs. Dodi Rusjadi Tatang Endi, M.Eng. BRIN

Dr. Ir. R. Harry Arjadi, M.Sc. BRIN

Dr. Haznan Abimanyu, Dip.Ing. BRIN

Nur Tjahyo Eka Darmayanti, M.Si. BRIN

Dr. Denny Hermawanto, M.T. BRIN

Dwi Mandaris, Ph.D. BRIN

Dr. R. Rudi Anggoro Samodro, S. Si., M.Sc. BRIN

Endra Joeliyanto, Ph.D. ITB

Iwan Prasetyo, M.T., Ph.D. ITB

Dr. Suprijanto ITB

Vebi Nadhira, S.T., M.T. ITB

Anugrah Sabdono, S.T., M.T., Ph.D. ITB

Ir. Narendra K. Putra, S.T., M.T., Ph.D., IPP ITB

Prof. Dr. Deddy Kurniadi, M.Eng. ITB

Dr. Dini Andiani Ukrida

Sastra Wijaya Kusuma, Ph.D. UI

Dede Djuhana, M.Si., Ph.D. UI

Prof. Dr. Didah Nur Faridah, S.T.P., M.Si. IPB

Dr. Wahyudin P. Syam UNottingham

Dr. Anton Widarta NMIJ

Drs. Dede Erawan, M.Sc. Asessor KAN

Instrumentasi

Scientific Publication

Editorial Policy

Instrumentasi invites for publication articles that cover all subjects related to instrument engineering, metrology, testing, and control in general, and in particular:

- Nanometrology
- Optics and laser-based measurements
- Development of measurement standard
- Measurement for industrial purposes
- Measurement system control automation
- Metrology in chemistry

The following may be used as a guide for paper preparation:

- Development of theory and application of instrumentation of metrology
- Problems in the measurement and control of industrial processes
- Role of development and mastery of science and technology and their applications to improve the quality of human resources
- Role of instrumentation and metrology in the improvement of product quality, safety, and comfort, and protection of environment
- Engineering, design and application of instruments and control as well as instrumentation testing system
- Development and problems in the management of human resources in the field of instrumentation and metrology

Instrumentasi also accepts manuscripts in the form of short communication, scientific review and discussion, international report, and conference note.

Please send a request to the Editor for systematics of writing for manuscripts other than full papers.

Notes for Authors

Systematics of writing for full papers

- Title (English and Indonesian)
- Name and affiliation of the author (s) including email address of the (first) author
- Abstract and keywords (English and Indonesian)
- Introduction (including literature review)
- Theoretical background
- Measurement method and techniques
- Result and discussion (including pictures, drawings, tables, graphs, diagrams, etc.)
- Conclusion (and recommendation)
- Suggestion (optional)
- Acknowledgement
- References
- About the (lead) author

Figures, graphs, and tables

Figures, graphs, drawings, and tables must be directly placed in the body of paper, captioned and numbered. All symbols and letters should be sharp and black, and sufficiently large and clear. If taken from external sources, should be clearly cited, and translated into English or Indonesian.

Equations

Equations must be typewritten with special typefaces, and numbered sequentially in parentheses on the right-hand side of the page, and equipped with explanation of the notations used.

Abstract

Abstract should consist of about 150 words and followed by keywords.

Body of paper

Manuscript should at least consist of 1000 words, typewritten in black using 12 points Times New Roman, 1½-spaced, ISO A4 white page. Manuscript should be written in the field within 3 cm from the top, bottom, left, and right edges of the page using two columns with distance of 2 mm between them, except for the title, abstract, keywords and particular drawing or tables those need wider space.

References

Manuscript must be supported by at least five recent research papers published in accredited journals or scientific proceedings, and/or other primary reference sources. Whenever possible the use of APA as citation format is preferable. Otherwise, references must be indicated throughout the text and numbered sequentially. The references themselves must be listed in numerical order at the end of the manuscript, and should include the authors, year of publication, title of article, publication, volume number, issue number, and page numbers (and publisher if appropriate).

Submission

Manuscript must be submitted through jurnalinstrumentasi.bsn.go.id



BADAN STANDARDISASI NASIONAL
National Standardization Agency of Indonesia



HIMPUNAN INSTRUMENTASI INDONESIA – HimII
Instrumentation Society of Indonesia

SEKRETARIAT



Badan Standardisasi Nasional (BSN)

Kompleks PUSPIPTEK, Setu,
Tangerang Selatan 15314, Banten, Indonesia
Telp. 021-7560-532, 021-7560533 (Suningsih, Andi, Rika)
Faks. 021-7560-568
E-mail: jurnalinstrumentasi@gmail.com

jurnalinstrumentasi.bsn.go.id