

NATIONAL JOURNAL ACCREDITATION (ARJUNA) AS TOOL FOR GRADING, MAPPING, AND MENTORING SCIENTIFIC JOURNALS IN INDONESIA

M. Faiz Syaib and Yoga Dwi Arianda

Directorate of Research, Technology and Community Service,
Directorate General of Higher Education, Research and Technology,
Ministry of Education, Culture, Research and Technology
Republic of Indonesia

*The 8th Asian Science Editors' Conference and Workshop 2024,
Jakarta, 15th-16th July 2024*





OBJECTIVES OF THE NATIONAL JOURNAL ACCREDITATION (ARJUNA)

- to measure the quality of a scientific journals
- to monitor the journal's performance periodically
- to assess strictly the journal quality through certain assessment aspects in the scientific journal accreditation (ARJUNA) system
- to grade the journal based on 6 (six) score group or score level displayed in SINTA (Science and Technology Index) portal.
- and to increase the competitiveness of scientific journals in Indonesia.
- Clustery the Indonesia published journal within 3 cluster (international, National and Local))



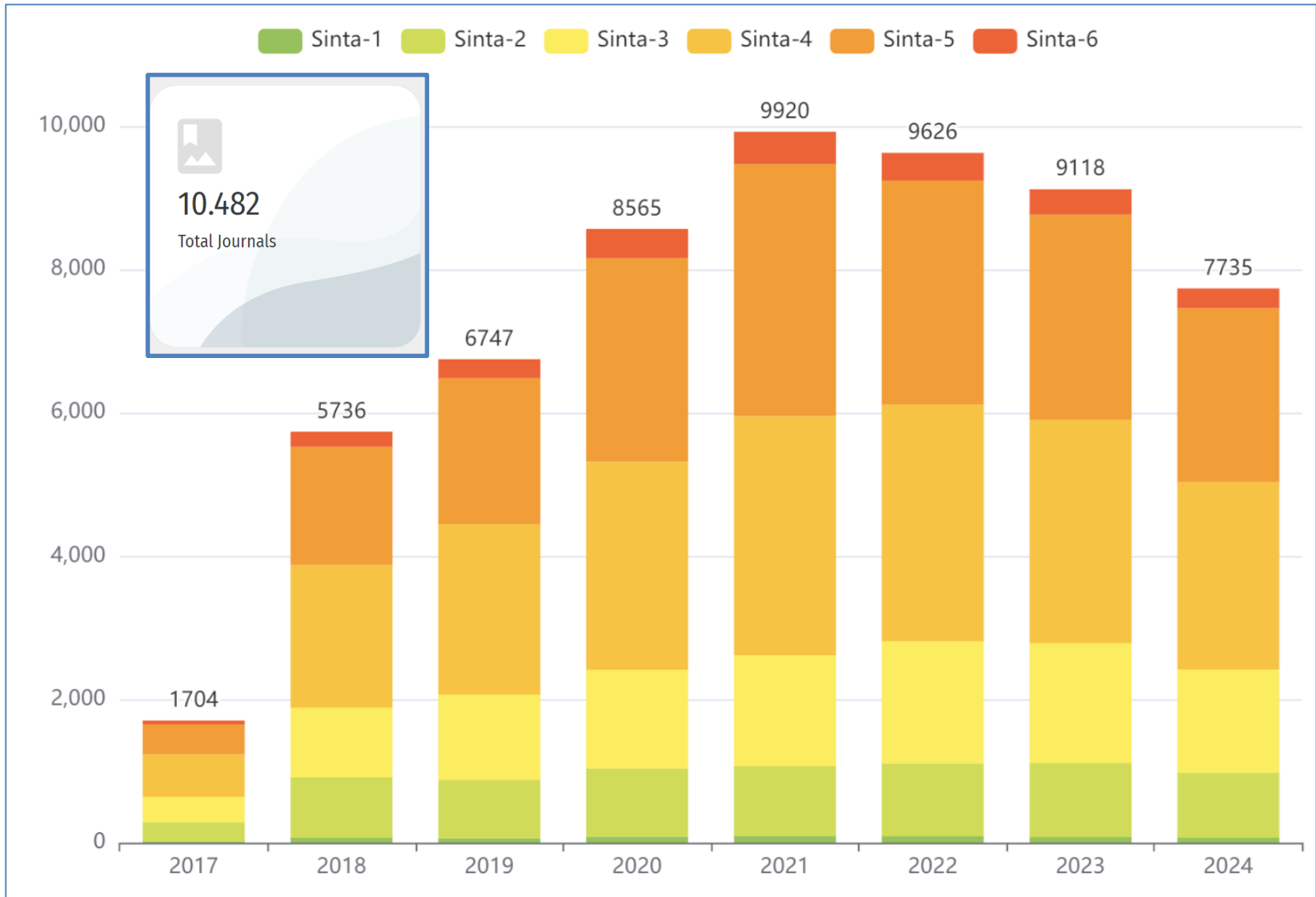
SCORE GRADE/LEVEL IN NATIONAL JOURNAL ACCREDITATION (ARJUNA)

SCORE GRADE/LEVEL	TOTAL SCORE
Accredited Grade/Level 1	$85 \leq n \leq 100$ *)
Accredited Grade/Level 2	$70 \leq n < 85$
Accredited Grade/Level 3	$60 \leq n < 70$
Accredited Grade/Level 4	$50 \leq n < 60$
Accredited Grade/Level 5	$40 \leq n < 50$
Accredited Grade/Level 6	$30 \leq n < 40$

*) and/or indexed in high reputable international indexer



CURRENT INSIGHT OF THE ACCREDITED JOURNALS BY ARJUNA IN INDONESIA





CRITERIA AND SCORING OF NATIONAL JOURNAL ACCREDITATION IN ARJUNA

NO	CRITERIA	MAX. SCORE OF CRITERIA (Management)	MAX. SCORE OF CRITERIA (Article Quality)
A	Naming of Scientific Journal	2	-
B	Institutional Publisher of Scientific Journal	3	-
C	Management of Scientific Journal	18	-
D	Editing of Scientific Journal Article	-	10
E	Quality of Published Articles	-	38
F	Writing Style of Published Articles	-	12
G	Appearance of Scientific Journal Website and Regularity of Publications	7	-
H	Dissemination	10	-
	TOTAL SCORE	40	60



RIGOROUS ASSESSMENT IN THE NATIONAL JOURNAL ACCREDITATION (ARJUNA)

- ARJUNA has **two groups of assessors** for rigorous assessments:
 - Assessor for Journal Management Criteria
 - Assessor for Article Quality Criteria
- Each evaluated journal will be assessed by two Assessors of Journal Management AND two Assessors of Article Quality following the Criteria.
- **Final Decision of journal evaluation** will be decided in a Pleno Meeting of Assessors according to Total Score of Assessment.



MINIMUM CRITERIA OF JOURNAL SUBMITTED TO NATIONAL JOURNAL ACCREDITATION (ARJUNA)

- Journals must have an E-ISSN.
- Journals must have a digital object identifier (DOI) in each article.
- Journals must have, include and implement a publication ethics policy that refers to the Committee on Publication Ethics (COPE).
- Scientific journals must have been published for at least 2 (two) consecutive years. The frequency of issue must be at least 2 (two) times a year. The number of articles per issue must be at least 5 (five) articles.
- Scientific journals must be indexed by a national indexing agency.
- All published articles must go through a review process by Peer-Reviewers.
- The Editorial Board comes from at least 2 (two) different institutions and their expertise must be in accordance with the field of science in the journal.



RIGOROUS ASSESSMENT OF CRITERIA A

(Naming of Scientific Journal)

- Naming of Scientific Journal is evaluated based on uniqueness of journal name in relevance to discipline.



RIGOROUS ASSESSMENT OF CRITERIA B

(Institutional Publisher of Scientific Journal)

- Institutional Publisher of Scientific Journal is evaluated based on **Validity and Institutional Credibility of Scientific Journal Publishers.**



RIGOROUS ASSESSMENT OF CRITERIA C

(Management of Scientific Journal)

- **C.1:** Involvement, Composition, Publication Track Record, and Diversity of Affiliation Origin of Peer-Reviewers.
- **C.2:** Involvement, Composition, Track Record of Publications, and Diversity of Affiliation Origin of the Editorial Team/Editorial Team/Editorial Board.
- **C.3:** Management of Articles Processing in Scientific Journal.
- **C.4:** Diversity of Affiliation Origin of Authors.



RIGOROUS ASSESSMENT OF CRITERIA D

(Editing of Scientific Journal Article)

- **D.1:** Author Guidelines (Completeness).
- **D.2:** Quality of Article Review Comments by Peer-Reviewer.
- **D.3:** Quality of Article Editing Style and Format by the Editorial Team/Editorial Team/Editorial Board.
- **D.4:** Completeness of Galley/PDF of Published Articles.



RIGOROUS ASSESSMENT OF CRITERIA E

(Quality of Published Article)

- **E.1:** Scientific Coverage (Appropriateness of article to Focus and Scope of journal).
- **E.2:** Scientific Impact of Journal (journal citedness in 3 recent years)..
- **E.3:** Effectiveness of Article Titles..
- **E.4:** Presence of the Author's Name and Author's Affiliation Institution.
- **E.5:** Abstract (clarity and conciseness).
- **E.6:** Key words (content representative).



RIGOROUS ASSESSMENT OF CRITERIA E

(Quality of Published Article)

- **E.7:** Scientific Pioneering/Originality/Contribution/Novelty of Article.
- **E.8:** Ratio of Primary Reference Sources versus other Sources.
- **E.9:** Degree of Recency of Reference Literatures. *Scoring Level:*
- **E.10:** Sharpness of Analysis and Synthesis of article.
- **E.11:** Conclusion of article.



RIGOROUS ASSESSMENT OF CRITERIA F

(Writing Style of Published Articles)

- **F.1:** Systematics of Article Writing.
- **F.2:** Utilization of Supporting Instruments (Pictures, Tables, Equations, Schemes, Illustrations, etc. (if any)).
- **F.3:** Bibliography Reference System in Articles and Consistency in Bibliography Writing. **F.4:** Use of Terms and Linguistic Quality.



RIGOROUS ASSESSMENT OF CRITERIA G

(Appearance of Scientific Journal Website and Regularity of Publications)

- **G.1:** Volume, Issue/Number, and Article Page Numbering Systems.
- **G.2:** Completeness of Scientific Journal Website in Fulfillment of COPE Principles of Transparency and Best Practice in Scholarly Publishing
- **G.3:** Publication Schedule



RIGOROUS ASSESSMENT OF CRITERIA H (*Dissemination*)

- **H.1:** Number of Unique Visits to Journal Website.
- **H.2:** Diversity of Visitors to Journal Website.
- **H.3:** Inclusion and Indexing in Scientific Journal Indexers (based on the reputation and difficulty level of selection system of indexer).



DISINCENTIVE IN NATIONAL JOURNAL ACCREDITATION (ARJUNA) (I)

- Disincentive is applied if there is **a deviation or violation of academic integrity** in producing scientific articles or irregularities in the management of scientific journals.
- **I.1:** Violation of Academic Integrity by Journal. *Disincentive Level: -20; -15; or -10.*
- **I.2:** Availability of Ethical Clearance document information (in certain disciplines). *Scoring Level: -3.*



DISSEMINATING / DISPLAYING ACCREDITATION RESULT IN SCIENCE TECHNOLOGY INDEX (SINTA)

Results of
grading/mapping in
National Journal
Accreditation (ARJUNA)
are displayed /
disseminated in **SCIENCE
TECHNOLOGY INDEX
(SINTA)** (URL:
[https://sinta.kemdikbud.
go.id/journals](https://sinta.kemdikbud.go.id/journals)).

The screenshot shows the SINTA website interface. At the top, there are navigation links: Author, Subjects, Affiliations, Sources, FAQ, WCU, Registration, and Login. Below the navigation, there is a search bar and a 'Sort by' dropdown menu set to 'Impact'. The main content area displays two journal entries:

- INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**: Accredited S1, Scopus Indexed, Garuda Indexed. Metrics: 107,00 Impact, 33 H5-index, 10,142 Citations 5yr, 16,189 Citations.
- GADJAH MADA INTERNATIONAL JOURNAL OF BUSINESS**: Accredited S1, Scopus Indexed, Garuda Indexed. Metrics: 16,74 Impact, 69 H5-index, 18,710 Citations 5yr, 30,556 Citations.

THANK YOU

- <https://arjuna.kemdikbud.go.id/>
- <https://sinta.kemdikbud.go.id/>
- <https://garuda.kemdikbud.go.id>