



CURRENT STATUS OF SCIENTIFIC JOURNALS IN INDONESIA

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Outline

- Student access to university
- University
- Scientific Journals & Publications
- Scientific Associations
- Research schemes
- Problems faced by journal editors in Indonesia
- Closing remarks

Student access to university

- Indonesian population : \pm 240 millions
- High school graduates : \pm 1.5 millions
- Students joint national selection: \pm 780,000
- Accepted in public universities: \pm 150,000
- The remaining go to private universities
- Postgraduate students: 20,000 per year

University

- Number of university: 3216
- Public universities : 92
- Private universities : 3114
- Informal institutions (religion)
- World ranking: > 200

Scientific Journals

- Number of Sj: 5,900 titles
- International journals: 16 titles
(Scopus, Compendex, Thomson Reuters)
- Journals accredited by DGHE (2011-2013): 112 titles
- Journals accredited by IIS: 135 titles
- Journals registered in DOAJ (2009-2013): 73 titles

Scientific Journals

- Accreditation
 - Started in the year 2000
 - Tenure: 3 years
 - Journals published by universities: DGHE
 - Journals published by research centers: IIS

Next year (2014): joint committee of DGHE and IIS

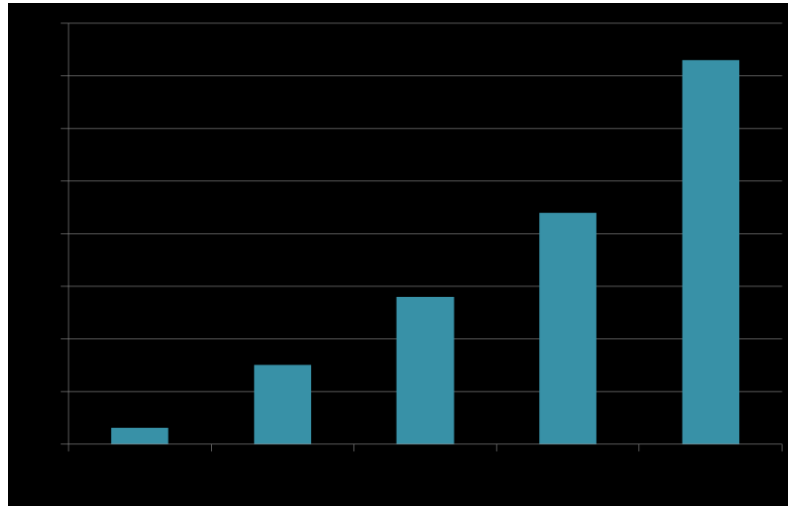
Scientific Journals

- Accreditation (2000-2010):
Class of Accreditation:
Score > 85 = A
Score > 75 – 85 = B
Score 65 – 75 = C
Score < 65 = Fail (non accredited)
- Accreditation since 2011:
 - Class of Journals :A & B
 - Tenure: 5 years

Criteria of Accreditation

No	Criteria	Score
1	Scope of journal	3
2	Publisher	5
3	Review process	18
4	Appearance	8
5	Writing style	13
6	Content	40
7	Continuity	9
8	Distribution	4
9	Disincentive	-20

Journals registered in DOAJ



Indonesian journals indexed in Scopus June 2013

Indonesia : 13+3

–ITB : 4; UGM: 3 ; UNDIP: 1 ; UI: 1 ; UAD : 1 (Compendex) ; Sci. association : 5

–Discontinued: 2

Source record id	Source Title (Medline-sourced journals are indicated in Green). Including Conference Proceedings available in the scopus.com Source Browse list	Print-ISSN	E-ISSN	Coverage	Active Inactive
7567 18755	Water and Energy International	0972057X		1995-ongoing	Active
7568 17199	Wool and Woollens of India	00437808		1999-2002, 1993-1997	Inactive
7569 21000195316	World Journal of Endocrine Surgery	09755039	09757902	2011-ongoing	Active
7570 21000195015	World Journal of Laparoscopic Surgery	09745092		2011-ongoing	Active
7571 18982	Yojana	00440515		1998, 1996, 1993, 1987-1990, 1982	Inactive
7572 24590	Zoos' Print Journal	09716378		2001-2008	Inactive
7573 21100205117	8th PetroTech International Oil and Gas Conference (New Delhi, India, 1/11-15/2009) Proceedings			2009	Inactive
7574 145168	Acta medica Indonesiana	01259326		2004-ongoing	Active
7575 20500195080	Biotropia	02156334		2010-ongoing	Active
7576 19900191860	Bulletin of Chemical Reaction Engineering and Catalysis	09782993		2011-ongoing	Active
7577 87861	Critical Care and Shock	14107767		2002-ongoing	Active
7578 19900192318	Gadjah Mada International Journal of Business	14111128		2010-ongoing	Active
7579 21100223536	Indonesian Journal of Chemistry	14119420		2012-ongoing	Active
7580 29186	Indonesian Journal of Geography	00249521		1994-1997, 1990-1992, 1986-1987	Inactive
7581 19721	Indonesian Quarterly	03042170		1996, 1982-1983, 1979, 1977	Inactive
7582 21100198706	International Journal on Electrical Engineering and Informatics	20856830		2009-ongoing	Active
7583 19200156702	ITB Journal of Engineering Science	19783051		2009-ongoing	Active
7584 21100199733	ITB Journal of Information and Communication Technology	19783086		2011-ongoing	Active
7585 17700156311	ITB Journal of Science	19783043		2009-ongoing	Active
7586 90223	Nutrition Bulletin	02169363		2001-ongoing	Active
7587 21100222916	36th Annual Indonesian Petroleum Association Convention (IPA) (Jakarta, Indonesia, 5/23-25/2012)			2012	Active
7588 26559	Acta Medica Iranica	00446025		2005-ongoing 1988 1974-1978 15	Active

Impact of Accreditation on Credit Point

Type of Publication	Credit Point
International journals	25 – 40
Accredited journals	15 - 25
Non accredited journals	5 - 15
International seminar proceedings	10 - 15
National seminar proceedings	5 -10

Professor needs 850 CP

- publications: > 45 %
- teaching: > 35 %
- community services: max 10 %
- others: max 10%

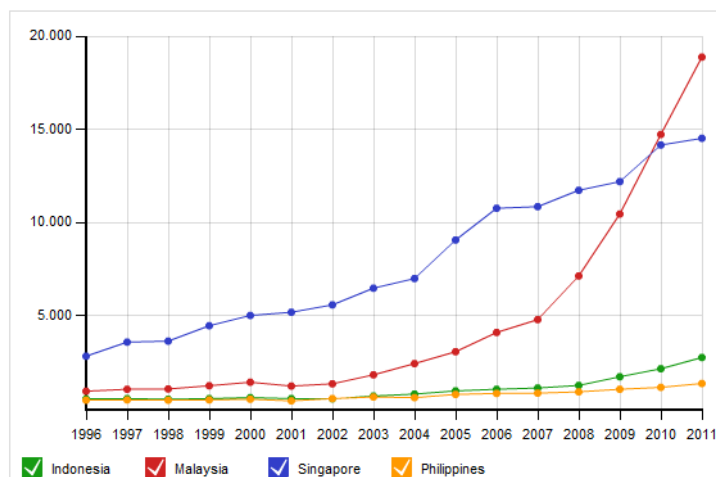
Publications

- Number of paper published: 145,000 titles/year
- International publications (2012): 1314 titles (from 10 universities)

Top 10 institutions in publication in Indonesia (2012)

No	Institution	No of Publication
1	Bandung Institute of Technology	398
2	University of Indonesia	250
3	University of Gajah Mada	168
4	Bogor Agricultural University	108
5	Indonesian Institute of Sciences	94
6	Center for Int. Forestry Research	63
7	Surabaya Institute of Technology	74
8	University of Diponegoro	59
9	University of Airlangga	52
10	University of Pajajaran	48

Publication in ASEAN countries



Publications recorded in Scopus

Affiliation results: 142

Go to page: 1 of 8

With selected: Show documents | Give feedback

Sort by: Document Count (Des)

Affiliations	Documents	City	Country
1 Institut Teknologi Bandung Institut Teknologi Bandung Bandung Institute of Technology Find potential affiliation matches	2920	Bandung	Indonesia
2 University of Indonesia University of Indonesia Univ. Indonesia Find potential affiliation matches	2576	Jakarta	Indonesia
3 Gadjah Mada University Gadjah Mada University Find potential affiliation matches	1513	Yogyakarta	Indonesia
4 Bogor Agricultural University Bogor Agricultural University Find potential affiliation matches	1064	Bogor	Indonesia
5 Lembaga Ilmu Pengetahuan Indonesia Indonesian Institute of Sciences LIPI Find potential affiliation matches	922	Jakarta	Indonesia
6 Institut Teknologi Sepuluh Nopember Institut Teknologi Sepuluh Nopember Sepuluh Nopember Institute of Technology Find potential affiliation matches	671	Surabaya	Indonesia
7 Center for International Forestry Research, West Java Cif for Intl. Forestry Research Center for International Forestry Research Find potential affiliation matches	667	Bogor	Indonesia
8 Universitas Diponegoro Diponegoro University Find potential affiliation matches	516	Semarang	Indonesia
9 Universitas Airlangga Airlangga University Find potential affiliation matches	476	Surabaya	Indonesia

Low publication in Indonesia

1. Low quality of researcher (30,000 PhD)
 - Lecturers = 273,000 only 10% is PhD
 - Researchers = 8,000 only 2,700 are PhD
2. Lack of research infrastructure and facility
3. Lack of research budget
 - In 2012 = US\$ 430 millions
 - Equal to 0.9% of national budget
 - Equal to 0.08% of GDP (ideally 1%)
4. Low salary for researcher

DGHE Regulation (2011)

All undergraduate and post graduate students must publish in journals before **Final Exam**

- PhD students: 1 international, 1 national accredited
- Masters students: 1 national accredited
- Undergrad students: 1 in any online journals

Indonesian Council of Science Editors

- We don't have it at the moment
- We have occasional meetings facilitated by DGHE
- Accredited journal's editor has responsibility to help 10 non accredited journal's editors:
 - to get national accreditation
 - to establish online and open journal system
 - to register in international indexing

Scientific association

- Indonesian Forum for Scientific Associations
 - Established in 2008
 - Lack of socialization
 - Few associations registered
 - Members:
 - institutions
 - individual

Some active associations

- Indonesian Doctor's Association (IDI)
- Indonesian Consortium of Biotechnology (KBI)
- Indonesian Breeding and Genetics Association
- Animal's Scientist Association of Indonesia
- Indonesian Nutritionist and Feed Scientists Association
- Indonesian Petroleum Association

Research Schemes

- Ministry of Education and Culture
 1. Fundamental research
 2. Competitive research
 3. Inter-university collaborative research
 4. Competency research
 5. National strategic research
 6. Hi-Link research (Univ., gov., industry)
 7. International collaborative research
- Budget: US \$5,000 – 100,000 per year

Other Research Funding

- Ministry of Research and Technology
- Ministry of Agriculture
- Ministry of Fisheries and Marine
- Ministry of Forestry
- Ministry of Energy and Mineral Resources



National Research Priority (MRT)

1. Food technology
2. Technology of health and drug
3. Technology of energy
4. Technology of transportation
5. Technology of information and communication
6. Technology of defense and security
7. Technology of materials



Focus of Research (DGHE)

1. Poverty alleviation
2. Climate change, environment's conservation biodiversity
3. Renewable energy
4. Food security
5. Nutrition and tropical diseases
6. Disaster management and mitigation
7. Nation integration and social harmony
8. Decentralization and autonomy
9. Arts and literatures (creative industry)
10. Infrastructure, transportation, and defense industry

Problems Faced by Journal Editors

- Low quality papers
 - lack of novelty
 - lack of data
 - lack of updated analysis method
 - lack of English
- Unfamiliar with online journal system
- Authors don't follow guidelines

Closing Remarks

- Quality of journals and publications is still low in Indonesia but with strong regulation of DGHE (journals and students) hopefully will increase the quality.
- We strongly support the establishment of Asian Council of Science Editor to support the development of scientific journals in Indonesia.



Thank you