

# WORKHSOP PENULISAN & PUBLIKASI ARTIKEL ILMIAH

**ASSOC. PROF. DR. EDY HERIANTO MAJLAN, AMICHEME**



<https://www.facebook.com/edyhm71>



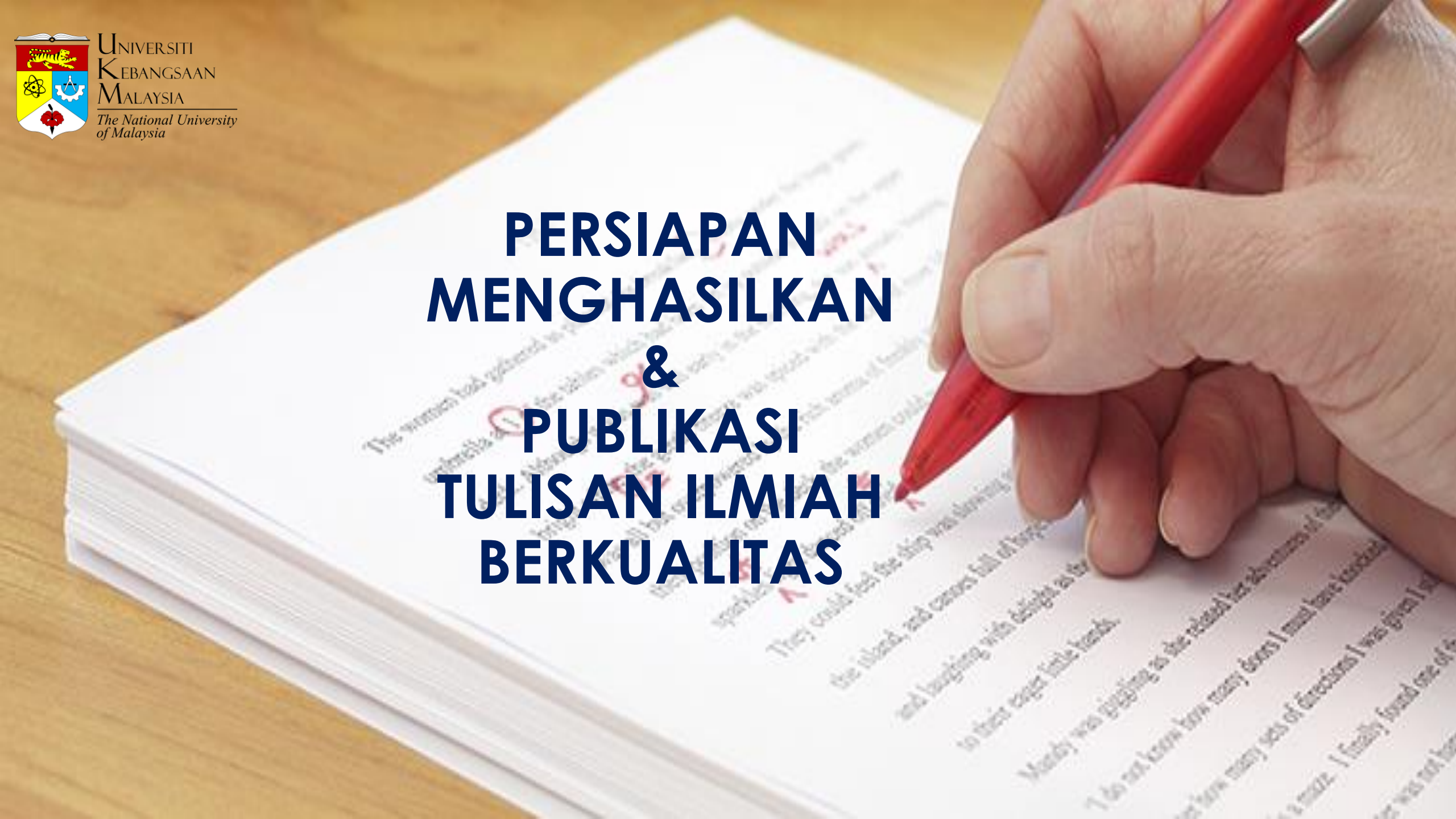
[edyhm71@gmail.com](mailto:edyhm71@gmail.com)



+60166802295



+60166802295/+6282189280306



UNIVERSITI  
KEBANGSAAN  
MALAYSIA  
*The National University  
of Malaysia*

# PERSIAPAN MENGHASILKAN & PUBLIKASI TULISAN ILMIAH BERKUALITAS



# Riset



# Hasil Riset

# KATEGORI HASIL RISET



**“Bentuk & Judul artikel  
direncanakan  
sebelum penelitian  
dimulai”**



*Tips &  
Tricks*

“Menulis artikel yang baik  
dimulai dengan  
banyak membaca  
artikel yang baik”



# BACA



- Ketahui latar belakang materi yang akan dikaji
- Baca secara luas
- Apakah status/keadaan pemahaman ketika ini?
- Ketahui kesenjangan dalam pengetahuan dalam bidang kajian
- **Tentukan dan dapatkan manuskrip kunci dalam bidang**

# HOT TOPICS



- Cari petunjuk ...
- Kontroversi
- Temuan yang tidak dapat dijelaskan
- Editorial, komentar, surat ke editor

# HOT TOPICS

- Diskusi dengan ilmuwan lain!
- Pertemuan masyarakat lokal
- Konferensi nasional
- Kongres/konferensi internasional



# DESAIN RISET

Lakukan dengan benar

**Penting!**



- Apakah hipotesis atau pertanyaan penelitian Anda?
- Metode apa yang sesuai?
- Apakah Anda memiliki sumber daya yang relevan?
- Identifikasi parameter kontrol Anda

# TIPS & TRICKS

“**Pilih** artikel **terbaik** sebagai  
**contoh & pedoman** untuk  
menjalankan **Penelitian**  
& menghasilkan  
**tulisan ilmiah**”

- Effects of temperature and backpressure on the performance degradation of MEA in PEMFC
  - Introduction
  - Methods
    - MEA preparation
    - Characterization of the MEA degradation after 100 h of operation
  - Results and discussion
    - EIS analysis
    - OCV performance and polarization curve
    - TEM analysis
    - SEM analysis
    - XRD analysis
  - Conclusions
  - Acknowledgment
  - References



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

ScienceDirect

journal homepage: [www.elsevier.com/locate/he](http://www.elsevier.com/locate/he)

# Effects of temperature and backpressure on the performance degradation of MEA in PEMFC

D. Rohendi<sup>a</sup>, E.H. Majlan<sup>b,\*</sup>, A.B. Mohamad<sup>b,c</sup>, W.R.W. Daud<sup>b,c</sup>,  
A.A.H. Kadhum<sup>b,c</sup>, L.K. Shyuan<sup>b</sup>

<sup>a</sup> Dept. of Chemistry, Faculty of Mathematics and Sciences, Sriwijaya University, Inderalaya, Indonesia

<sup>b</sup> Fuel Cell Institute, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor DE, Malaysia

<sup>c</sup> Dept. of Chemical and Process Engineering, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor DE, Malaysia

## ARTICLE INFO

### Article history:

Received 8 March 2015

Received in revised form

27 June 2015

Accepted 30 June 2015

Available online 26 July 2015

### Keywords:

Backpressure

## ABSTRACT

The performance characteristics of proton exchange membrane fuel cells (PEMFCs) can be affected by a degradation of the membrane-electrode-assembly (MEA). In this paper, the performance degradation of MEA in a single cell PEMFC was examined at 80 °C and a backpressure of 10 psi after 100 h of operational time using open circuit voltage (OCV) conditions. A control experiment was conducted by testing the MEA at ambient temperature without backpressure. Both electrochemical impedance spectroscopy (EIS) and an OCV analysis showed that both the conductivity and the performance of the cell operating at 80 °C were less than the control values after 100 h of operation. In contrast, an application of 10 psi of backpressure improved the cell conductivity and can maintain OCV in

# PERENCANAAN RISET



# PROSES RISET

**Menentukan  
Permasalahan  
Penelitian**



**Tinjauan Pustaka**

- Konsep
- Teori
- Kajian Penelitian terdahulu



**Merumuskan  
Hipotesis**



**Perencanaan  
Penelitian**

- Objektif
- Metodologi



**Eksperimen/  
Pengumpulan Data**



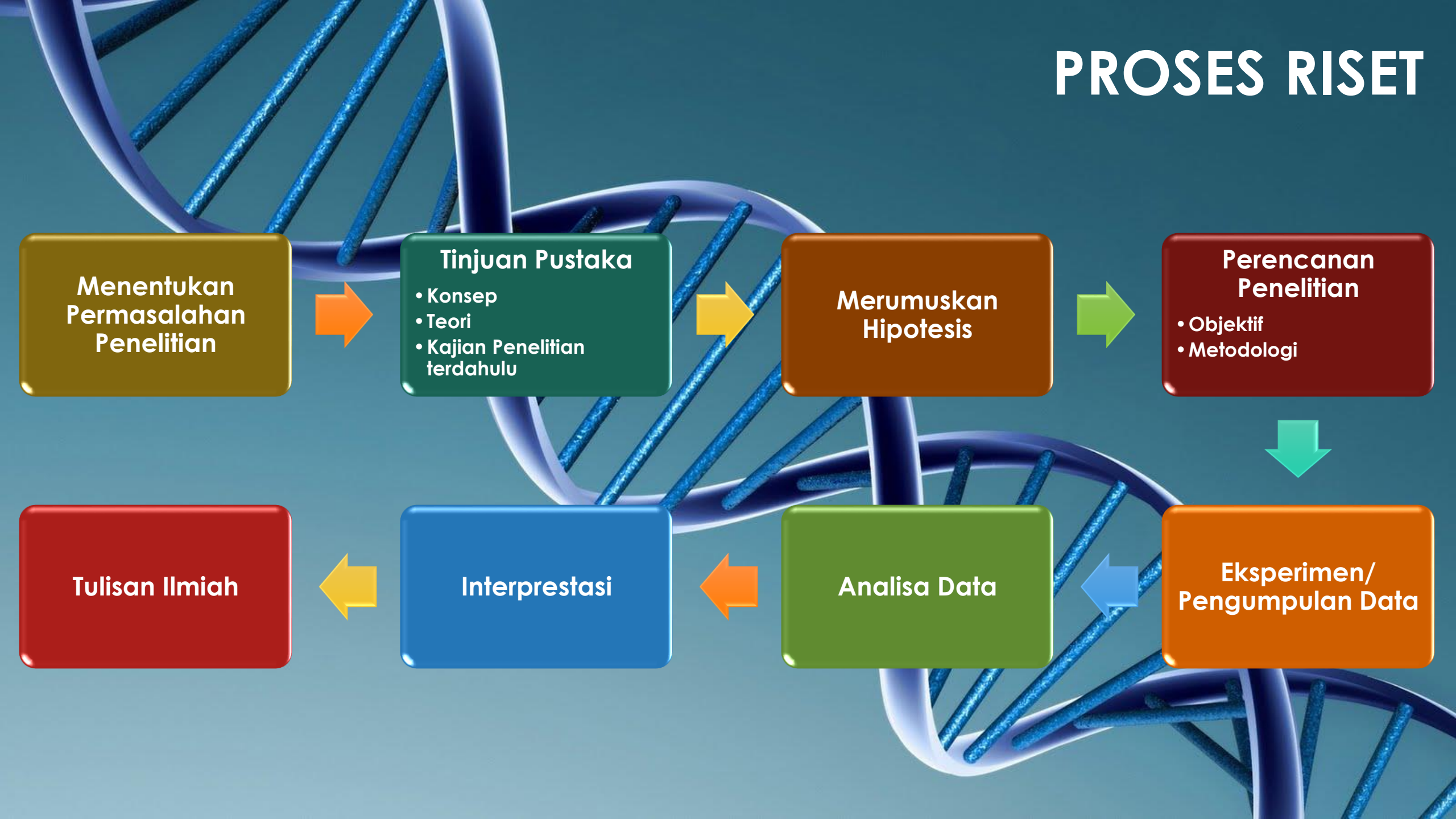
**Analisa Data**



**Interprestasi**



**Tulisan Ilmiah**



# Before Writing

- ❖ **Contribution** - Ketahui kontribusi penting yang ingin Anda sampaikan
- ❖ **Latest Development in the field** - ini akan membantu Anda menulis manuskrip yang relevan dengan kajian menarik ketika ini

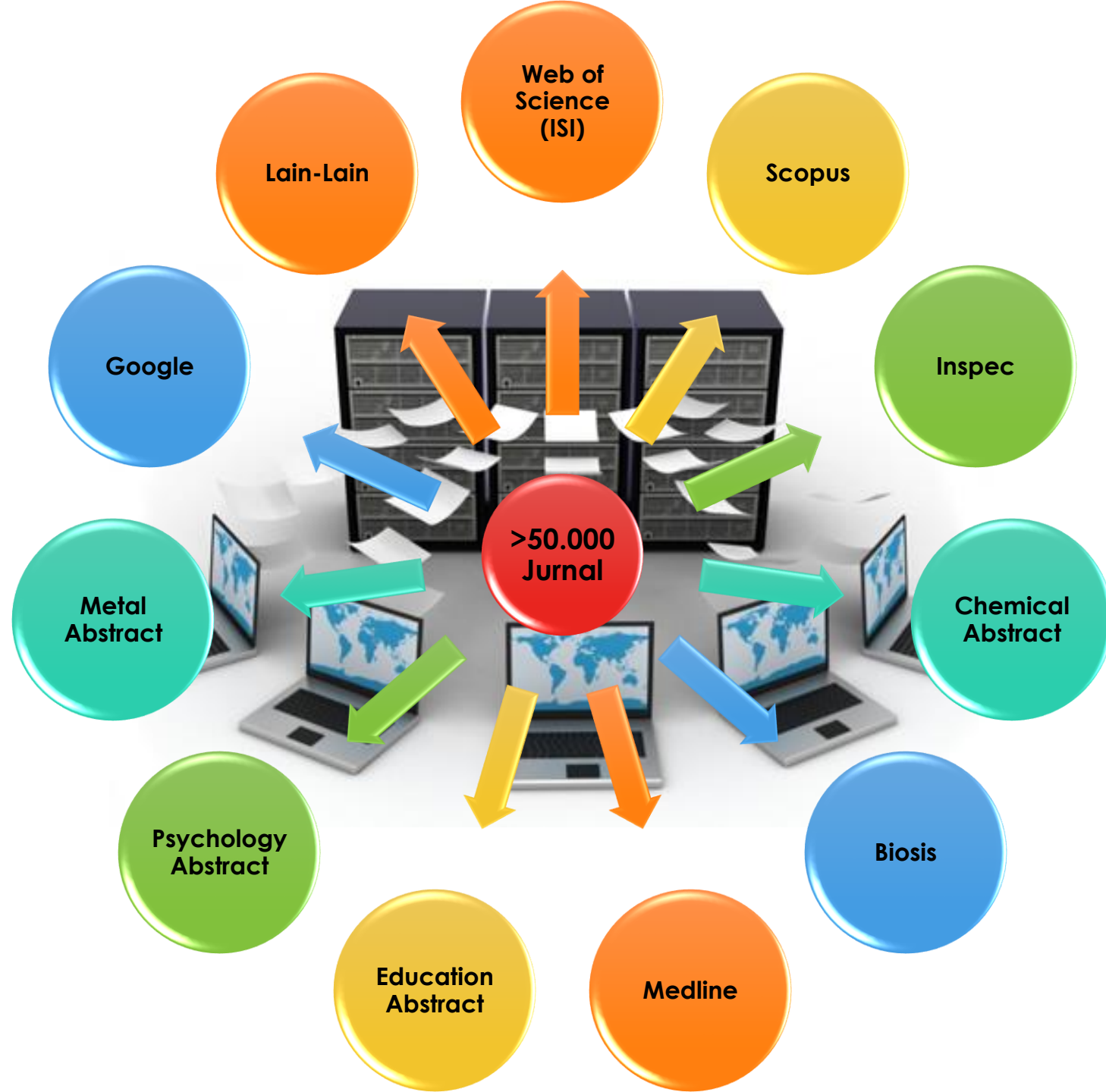


# JOURNAL

P u b l i s h e r s   o f   S c i e n t i f i c   J o u r n a l s



K n o w l e d g e   i s   P o w e r



# JURNAL-INDEKS

# JURNAL-INDEKS

Web of Science

- ❑ USA
- ❑ <http://mjl.clarivate.com/>
- ❑ Dulu ISI (Institute for Sci Information)
- ❑ Impact Factor
- ❑ >12.000 Jurnal

SCOPUS

- ❑ Belanda
- ❑ [www.scopus.com](http://www.scopus.com)
- ❑ >22.000 Jurnal, prosiding dan buku penelitian

- Sumbangan kepada bidang
- Mutu artikel
- Level sistem penilaian (Referee)
- Penulis Internasional
- Level editorial
- Judul dan Abstrak dalam Bahasa Inggris serta abjad latin

## Comparison with nearest peer

### Scopus

~24K titles

>5,000 publishers

Updated daily

Scopus  
24,169

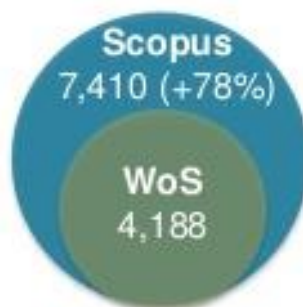
Web of Science  
12,491

### WEB OF SCIENCE™

~12K titles

~3,300 publishers

Updated weekly



Physical Sciences



Health Sciences



Life Sciences



Social Sciences

Source: Web of Science Real Facts, Web of Science title list and Scopus' own data (April 2014)

## JOURNAL IMPACT FACTOR LIST

SEARCH ANY JOURNAL via ISSN/TITLE/KEYWORDS



2016/2017 Journal Impact Factor List Arranged by Keywords or Abbreviation or ISSN of a journal

## GLOBAL Journal List

01 02 03 04 05 06 07 08 09 10  
11 12 13 14 15 16 17 18 19 20  
21 22 23 24 25 26 27 28 29 30  
31 32 33 34 35 36 37 38 39 40  
41 42 43 44 45 46 47 48 49 50  
51 52 53 54 55 56 57 58 59 60  
61 62 63 64 65 66 67 68 69 70  
71 72 73 74 75 76 77 78 79 80  
81 82 83 84 85 86 87 88 89 90

Journal Impact Factor (IF) is a measure reflecting the average number of citations to articles published in science and social science journals. It is frequently used as a proxy for the relative importance of a journal within its field, with journals with higher impact factors deemed to be more important than those with lower ones. via Wikipedia

## JOURNAL SUBJECT

Agriculture and Forest  
Engineering  
Math  
Astronomy  
Environmental Science  
Management Science  
Biology  
Geoscience  
Physics  
Chemistry  
Medicine  
Social Science

## SCHOLAR ARTICLES

## Most Viewed

- [How to Identify a Journal for Publication.](#)
- [Status of Open Access Journals.](#)
- [How to increase the visibility of the articles.](#)
- [JCR - Journal Citation Report.](#)

## RECENTLY VIEWED JOURNALS

## Journals

**3.652**  
**IEEE ASME T MECH**  
IEEE-ASME Transactions on Mechatronics

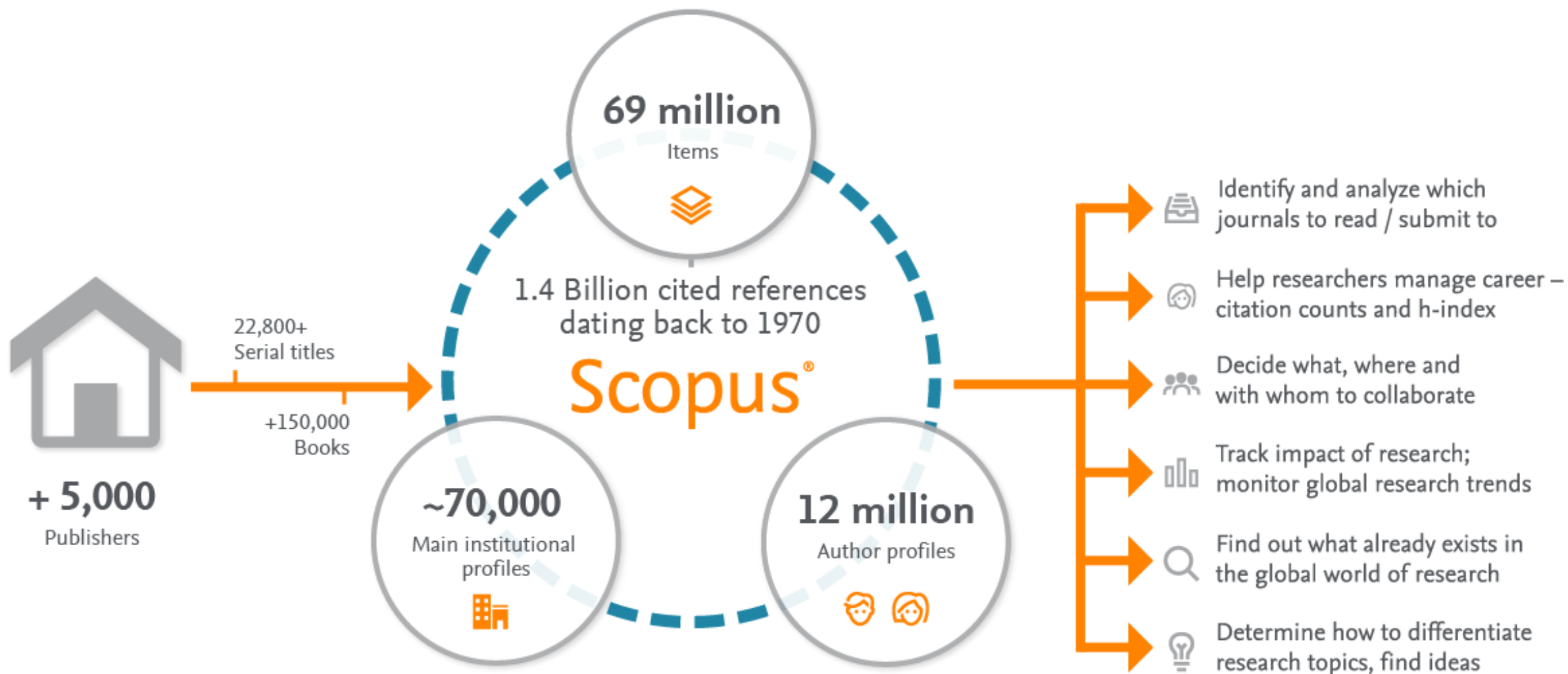
[More Details](#)

**1.215**  
**IJACT**  
International Journal of Applied Ceramic Technology

[More Details](#)

**2.072**  
**IEEE T INF TECHNOL B**  
IEEE Transactions Information Technology In Biomedicine

[More Details](#)[HTTP://WWW.SCIJOURNAL.ORG](http://www.scijournal.org)



# Search for an author profile

Scopus is the world's largest abstract and citation database of peer-reviewed research literature. With over 22,000 titles from more than 5,000 international publishers. You can use this free author lookup to search for any author; or, use the [Author Feedback Wizard](#) to verify your Scopus Author Profile. Register for your unique ORCID and use Scopus to [import your records](#).



Author last name

*e.g. Smith*

Author first name


*e.g. J./L*

Affiliation

*e.g. University of Toronto*

☐ Show exact matches only

Search Q

 ORCID

*e.g. 1111-2222-3333-444x*

Search Q

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

Language

[日本語に切り替える](#)

[切换到简体中文](#)

[切换到繁體中文](#)

[Русский язык](#)

Customer Service

[Help](#)

[Contact us](#)

# HTTPS://WWW.SCOPUS.COM

# Sources

## CiteScore metrics for serials

CiteScore metrics from Scopus are comprehensive, transparent, current and free metrics for serial titles in Scopus. Search or browse below to find a source and see associated metrics. Use the annual metrics for reporting, and track the progress of 2017 metrics with CiteScore Tracker 2017. Be sure to use qualitative as well as the below quantitative inputs when presenting your research impact, and always use more than one metric for the quantitative part.



Search for a sourceBrowse sources

Download Scopus Source List

Search

Q

☒ Title☐ ISSN☐ Publisher☐ Display only Open Access journals

37,448 results

Clear filters

Source title	CiteScore	SJR	SNIP	Type
Ca-A Cancer Journal for Clinicians	89.23	39.285	67.564	Journal
Chemical Reviews	42.79	19.282	10.369	Journal
Chemical Society Reviews	35.70	14.994	7.676	Journal
Reviews of Modern Physics	35.68	23.543	18.377	Journal
Annual Review of Astronomy and Astrophysics	33.21	22.491	9.857	Book Series
Annual Review of Immunology	35.11	27.631	8.271	Book Series

HTTPS://WWW.SCOPUS.COM

[HTTP://WWW.SCIENCEDIRECT.COM/](http://www.sciencedirect.com/)

Explore scientific, technical, and medical research on ScienceDirect

Search for peer-reviewed journals, articles, book chapters and open access content.

Keywords  Author name  Journal/book title  Volume  Issue  Page  

Advanced search

1854 - Broad Street cholera outbreak map by John Snow  
An early example of data visualization and a breakthrough for the science of epidemiology.

# PANGKALAN DATA

 Springer

Search 

[Home](#) [Subjects](#) [Services](#) [Products](#) [Springer Shop](#) [About us](#)

Our business is publishing. With more than 2,900 journals and 200,000 books, Springer offers many opportunities for **authors**, **customers** and **partners**.

+++ Springer celebrates 175 years of publishing excellence: Celebrate with us and explore our anniversary activities +++

[HTTP://WWW.SPRINGER.COM/](http://www.springer.com/)

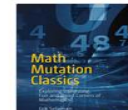
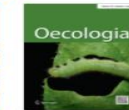
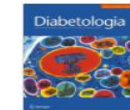
Read and buy

You can read over ten million scientific documents on **SpringerLink**.

The 280,912 books in our Springer Shop come with free worldwide shipping for print copies, and our eBooks can be read on any device.



» Visit the Springer Shop



» Astronomy  
» Behavioral Sciences  
» Biomedical Sciences  
» Business & Management  
» Chemistry  
» Climate  
» Computer Science  
» Earth Sciences  
» Economics

» Education & Language  
» Energy  
» Engineering  
» Environmental Sciences  
» Food Science & Nutrition  
» Geography  
» Law  
» Life Sciences  
» Materials


» Mathematics  
» Medicine  
» Philosophy  
» Physics  
» Popular Science  
» Public Health  
» Social Sciences  
» Statistics  
» Water

Wiley Online Library

 Log in / Register

[Publications](#) [Browse By Subject](#) [Resources](#) [About Us](#)

**WILEY PUSHES BOUNDARIES**  
Extend the horizons of science, scholarship and research

SEARCH 

☒ All content ☐ Publication titles  
[Advanced search](#) [Saved search](#)

PUBLICATIONS A - Z  
A B C D E F G H I J K L M N O  
P Q R S T U V W X Y Z 0-9

BROWSE

Agriculture, Aquaculture & Food Science  
Architecture & Planning  
Art & Applied Arts  
Business, Economics, Finance & Accounting  
Chemistry  
Computer Science & Information Technology  
Earth, Space & Environmental Sciences  
Humanities  
Law & Criminology  
Life Sciences  
Mathematics & Statistics  
Medicine  
Nursing, Dentistry & Healthcare  
Physical Sciences & Engineering  
Psychology  
Social & Behavioral Sciences  
Veterinary Medicine

RESOURCES

**Training**  
Tutorials, webinars and user guides  
**For researchers**  
Personalization options and email alerts  
**For librarians**  
Product and access information  
**For societies**  
Get the most out of publishing with us  
**For authors & reviewers**  
Resources and online services  
**Open Access**  
Publish open access in our subscription journals with the OnlineOpen option or choose from our fully open access program: Wiley Open Access.

**TRAINING AND TUTORIALS**  
Self-paced tutorials available 24/7 

**REGISTER FOR ALERTS**  
 

**OPEN ACCESS**  


[HTTP://ONLINELIBRARY.WILEY.COM/](http://onlinelibrary.wiley.com/)

Wiley Online Library

[Publications About Us](#) [Browse by Subject Help](#) [Resources Agents](#) [Advertisers](#) [Media](#) [Privacy](#) [Cookies](#) [Terms of Service](#) [Site Map](#)

Copyright © 1999-2017 John Wiley & Sons, Inc. All Rights Reserved.

[About Wiley](#) [Wiley.com](#) [Wiley Job Network](#) **WILEY**

JADUAL 2.2 Kedudukan jurnal dalam bidang sains multidisiplin menurut laporan petikan jurnal (JCR) 2013. Kuartil 1 (nombor 1-13), kuartil 2 (nombor 14-27), kuartil 3 (nombor 28-41) dan kuartil 4 (nombor 42-55). (© Thomson Reuters 2015)

Tajuk Jurnal		Faktor Impak	Separuh-Hayat Petikan	Eigenfaktor
1.	Nature	42.351	9.8	1.60305
2.	Science	31.477	9.9	1.27503
3.	Nat Commun	10.742	1.9	0.12331
4.	P Natl Acad Sci Usa	9.809	8.2	1.49966
5.	Sci Rep-Uk	5.078	1.4	0.03618
6.	Ann Ny Acad Sci	4.039	9.2	0.08375
7.	J R Soc Interface	3.856	3.9	0.02968
8.	Plos One	3.534	2.5	1.16582
9.	Philos T R Soc A	2.864	8.0	0.03419
10.	P Jpn Acad B-Phys	2.562	4.4	0.00377
11.	P Roy Soc A-Math Phy	1.998	>10.0	0.01825
12.	Naturwissenschaften	1.971	>10.0	0.00790
13.	Sci Eng Ethics	1.516	6.3	0.00134
14.	Chinese Sci Bull	1.365	6.3	0.01808
15.	Sci Am	1.328	>10.0	0.00558
16.	Sci World J	1.219	2.9	0.01072
17.	P Romanian Acad A	1.115	1.9	0.00042
18.	J Roy Soc New Zeal	1.077	>10.0	0.00057
19.	Issues Sci Technol	1.059	6.4	0.00110
20.	S Afr J Sci	1.031	>10.0	0.00193
21.	Complexity	1.029	8.7	0.00115
22.	Int J Bifurcat Chaos	1.017	8.3	0.00832
23.	Symmetry-Basel	0.918	3.3	0.00160
24.	Discrete Dyn Nat Soc	0.882	2.9	0.00212
25.	An Acad Bras Cienc	0.875	8.6	0.00234
26.	Curr Sci India	0.833	9.4	0.00773
27.	T Roy Soc South Aust	0.800	>10.0	0.00021
28.	Adv Complex Syst	0.786	5.8	0.00151
29.	Rend Lincei-Sci Fis	0.757	3.6	0.00065
30.	Math Model Nat Pheno	0.725	3.7	0.00254
31.	Am Sci	0.643	>10.0	0.00156
32.	Fractals	0.632	>10.0	0.00101
33.	Sains Malays	0.480	2.8	0.00082
34.	Acta Sci-Technol	0.458	3.1	0.00024
35.	Chiang Mai J Sci	0.418	4.1	0.00043
36.	Technol Rev	0.383	>10.0	0.00071
37.	New Sci	0.379	7.9	0.00212
38.	Interdiscipl Sci Rev	0.375	8.3	0.00025
39.	P Est Acad Sci	0.373	9.3	0.00053
40.	Arab J Sci Eng	0.367	4.6	0.00142
41.	Scientist	0.351	8.3	0.00040
42.	Scienceasia	0.347	5.4	0.00060
43.	Maejo Int J Sci Tech	0.329	4.1	0.00037
44.	J Hopkins Apl Tech D	0.315	>10.0	0.00012
45.	Defence Sci J	0.310	5.9	0.00068
46.	Endeavour	0.261	>10.0	0.00038
47.	Natl Acad Sci Lett	0.240	7.3	0.00023
48.	Front Life Sci	0.227		0.00001
49.	Cr Acad Bulg Sci	0.198	5.1	0.00050
50.	P Natl A Sci India A	0.179		0.00011
51.	Her Russ Acad Sci+	0.170	8.2	0.00046
52.	J Natl Sci Found Sri	0.143		0.00017
53.	R&D Mag	0.134		0.00006
54.	Kuwait J Sci Eng	0.093		0.00011
55.	Anthropologist	0.051		0.00007

# RANGKING JURNAL

## Impact Factor 2017:

Jumlah sitasi untuk artikel 2015 & 2016 pada tahun 2017  
Jumlah artikel diterbitkan pada tahun 2015 & 2016

<http://www.scimagojr.com/>



# H-INDEX

## Documents

## Citations

Sort on: <a href="#">Date (newest)</a> <a href="#">Citation count (descending)</a> ...										
		<2011	2011	2012	2013	2014	2015	Subtotal	>2015	Total
Total		1	27	7	9	11	5	59	0	60
1	Measuring motivational readiness for change among drug addic...	2010	5	2	1		1	9		9
2	Stress and job satisfaction as antecedents of workplace devi...	2011		3	3	1	1	8		8
3	The relationship between dysfunctional family and the involv...	2011	3		1	2		6		6
4	Cognitive distortion and depression among juvenile delinquen...	2010	3		1		1	5		5
5	Personality traits and readiness to change among drug addict...	2010	4			1		5		5
6	Social support and religious coping strategies in health-rel...	2011		1	1	2		4		4
7	Family functioning, self-esteem, self-concept and cognitive ...	2011	1	1		1	1	4		4
8	Psychopathological profile and readiness to change among dru...	2011	2			1		3		3
9	Psychological factors of self-esteem and cognitive distortio...	2011	1			1		2		2
10	Psychosocial factors between Malaysian and Indonesian juveni...	2011						2		2
11	Self-esteem and cognitive distortion among women involved in...	2010	2					2		2
12	Understanding the personality traits of medical students usi...	2012					1	1		1
13	Effectiveness of peer conflict resolution focused counseling...	2012				1		1		1
14	Gender differences among drug abusers in the process of read...	2011	1					1		1
15	Consistency and validity of psychopathological measure among...	2011			1			1		1
16	Cognitive distortion as a predictor towards depression among...	2011			1			1		1
17	Depression and cognitive distortion among juvenile delinquen...	2011				1		1		1

Indeks-h = 5

Indeks yang digunakan untuk mengukur produktivitas dan pengaruh penerbitan seseorang peneliti.

# AKUN PENTING UNTUK PENELITI

## Penulisan Nama Institusi

- Universiti Kebangsaan Malaysia
- The National University of Malaysia
- UKM

## Penulisan nama

Pemilihan nama yang konsisten  
Contoh:  
Edy Herianto Majlan  
Majlan, E.H

## Google Scholar

<https://scholar.google.com/>

## Research Gate

<https://www.researchgate.net>

## ORCID

<http://www.orcid.org/>







thank you!



<https://www.facebook.com/edyhm71>



[edyhm71@gmail.com](mailto:edyhm71@gmail.com)



+60166802295



+60166802295/+6282189280306