

Salah Kaprah Sitasi

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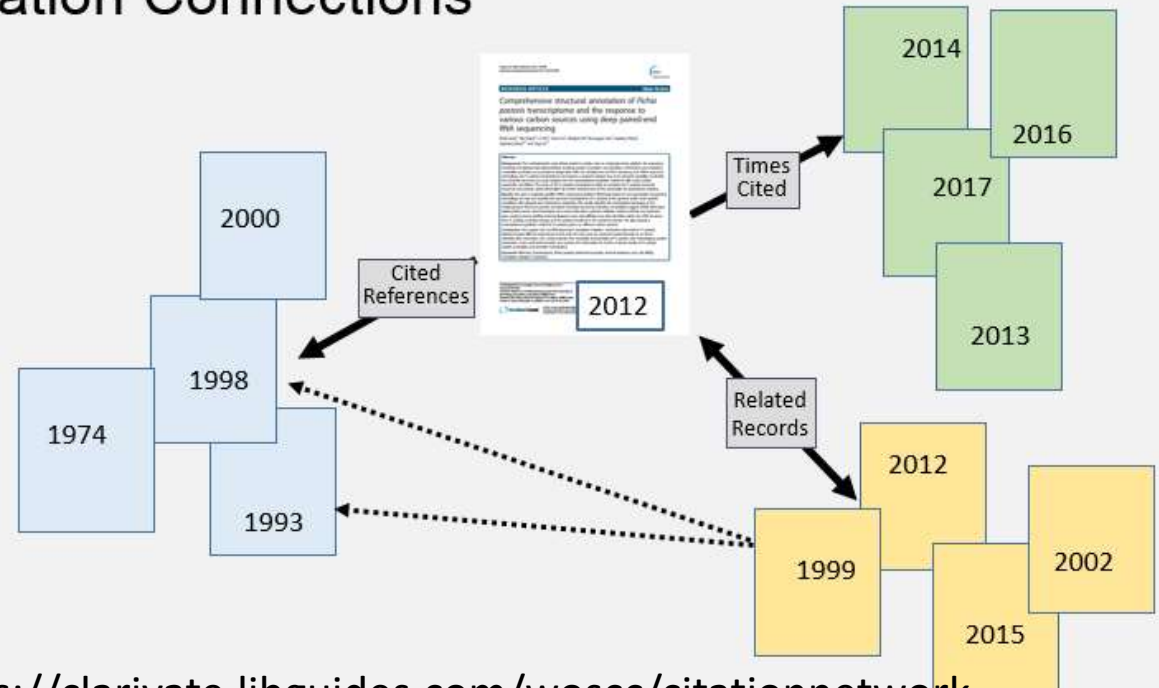
Departemen Biostatistik, Epidemiologi dan Kesehatan Populasi
Fakultas Kedokteran, Kesehatan Masyarakat dan Keperawatan (FKKMK)
Universitas Gadjah Mada
Yogyakarta

Sitasi

"a scientist cannot readily continue to exist as a scientist unless he can communicate with other scientists" (Leopold, 1973)

- Penghubung kemajuan ilmu pengetahuan
- Penghargaan kepada peneliti terdahulu
- Simbol/tahapan dari suatu peta jalan penelitian
- Terukur (*measurable*)
 - *Most cited article*
 - *Most cited researcher*
 - *Journal Impact Factor*
 - Kriteria universitas top

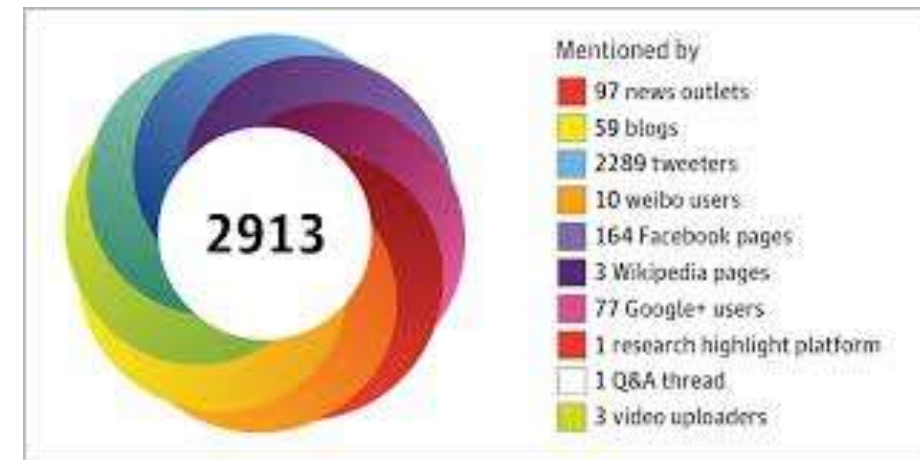
Citation Connections



<https://clarivate.libguides.com/woscc/citationnetwork>

Berbagai pengukuran publikasi (dari *bibliometrics* – *altmetrics*)

- **Produktivitas:**
 - Jumlah publikasi
- **Penggunaan:**
 - Jumlah download
 - Jumlah view
- **Sitasi:**
 - Jumlah sitasi
 - h-index
 - Jumlah sitasi sendiri
- **Altmetrics:**
 - Jumlah mention & share (tweet, FB, social media)
- **Penghargaan**



Highly cited Scopus-indexed article from Germany in 2018

First Author	Title	Source title	Cited by
Ibanez B.	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation	European Heart Journal	340
Aigner M.,	Proofs from THE BOOK	Proofs from THE BOOK	335
Green M.A	Solar cell efficiency tables (version 51)	Progress in Photovoltaics: Research and Applications	159
Günzler W.A.	Glutathione peroxidase	Handbook Methods for Oxygen Radical Research	145
Gandhi L	Pembrolizumab plus chemotherapy in metastatic non-small-cell lung cancer	New England Journal of Medicine	125
Schein E.	Equine babesiosis	Babesiosis of Domestic Animals and Man	105
Maude S.L.	Tisagenlecleucel in children and young adults with B-cell lymphoblastic leukemia	New England Journal of Medicine	102
Li J.	Metal-organic framework-based materials: Superior adsorbents for the capture of toxic and radioactive metal ions	Chemical Society Reviews	100
Thompson A.J.	Diagnosis of multiple sclerosis: 2017 revisions of the McDonald criteria	The Lancet Neurology	99
Timpl R.,	Components of basement membranes	Immunochemistry of the Extracellular Matrix: Volume 2 Applications	98

Highly cited Scopus-indexed article with author from Japan in 2018

First Author	Title	Source title	Cited by
Green M.A.,	Solar cell efficiency tables (version 51)	Progress in Photovoltaics: Research and Applications	159
Gandhi L.	Pembrolizumab plus chemotherapy in metastatic non-small-cell lung cancer	New England Journal of Medicine	125
Maude S.L	Tisagenlecleucel in children and young adults with B-cell lymphoblastic leukemia	New England Journal of Medicine	102
Thompson A.J	Diagnosis of multiple sclerosis: 2017 revisions of the McDonald criteria	The Lancet Neurology	99
Kaneyoshi T.	Amorphous magnetism	Amorphous Magnetism	96
Cao Y.	Unconventional superconductivity in magic-angle graphene superlattices	Nature	85
Motzer R.J	Nivolumab plus Ipilimumab versus Sunitinib in advanced renal-cell carcinoma	New England Journal of Medicine	84
Galluzzi L.	Molecular mechanisms of cell death: Recommendations of the Nomenclature Committee on Cell Death 2018	Cell Death and Differentiation	75
Ishibashi N.,	Behavior of infective juveniles	Entomopathogenic Nematodes in Biological Control	70
Cipriani A	Comparative efficacy and acceptability of 21 antidepressant drugs for the acute treatment of adults with major depressive disorder: a systematic review and network meta-analysis	The Lancet	65

Highly cited Scopus-indexed article with author from Singapore in 2018

First Author	Title	Source title	Cited by
Benjamin D.J	Redefine statistical significance	Nature Human Behaviour	77
Galluzzi L	Molecular mechanisms of cell death: Recommendations of the Nomenclature Committee on Cell Death 2018 and cellular roles (2016) Proc Natl Acad Sci U S A.	Cell Death and Differentiation	75
Zeng D	Toward noble-metal-free visible-light-driven photocatalytic hydrogen evolution: Monodisperse sub-15 nm Ni ₂ P nanoparticles anchored on porous g-C ₃ N ₄ nanosheets to engineer 0D-2D heterojunction interfaces	Applied Catalysis B: Environmental	52
Allemani C	Global surveillance of trends in cancer survival 2000-14 (CONCORD-3): analysis of individual records for 37 513 025 patients diagnosed with one of 18 cancers from 322 population-based registries in 71 countries	The Lancet	48
Jiang L.	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant	Applied Catalysis B: Environmental	44
Chen X	Photocatalytic fixation of nitrogen to ammonia: State-of-the-art advancements and future prospects	Materials Horizons	41
Yu X.Y.,	Mixed Metal Sulfides for Electrochemical Energy Storage and Conversion	Advanced Energy Materials	38
Fan Q.	High-Performance As-Cast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area Exceeding 11% Power Conversion Efficiency	Advanced Materials	36
Lv H.	A Voltage-Boosting Strategy Enabling a Low-Frequency, Flexible Electromagnetic Wave Absorption Device	Advanced Materials	35
Tao K.,	Investigation of Multimodal Electret-Based MEMS Energy Harvester with Impact-Induced Nonlinearity	Journal of Microelectromechanical Systems	33

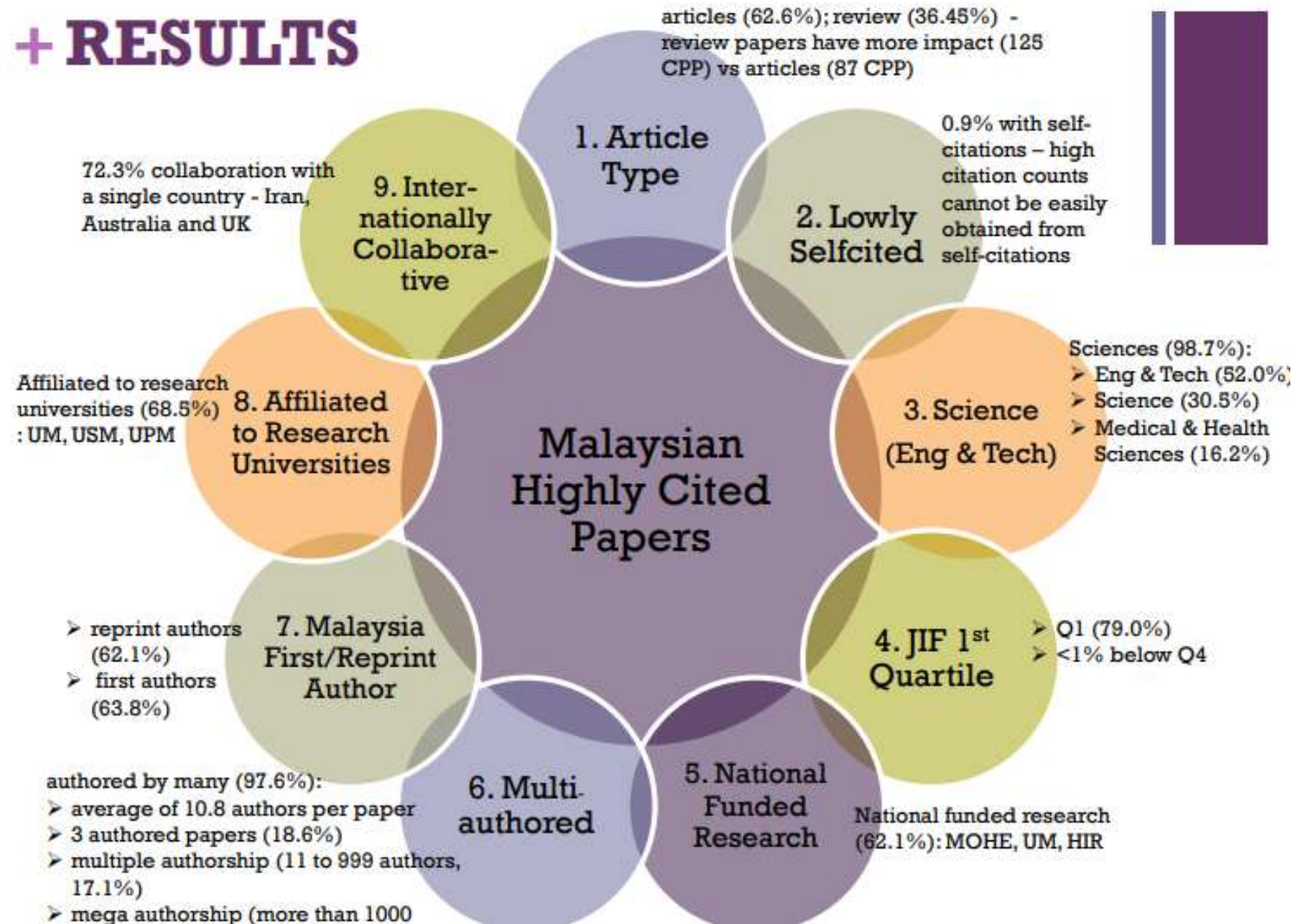
Highly cited Scopus-indexed article with author from Malaysia in 2018

First Author	Title	Source title	Cited by
Ong C.B.,	A review of ZnO nanoparticles as solar photocatalysts: Synthesis, mechanisms and applications	Renewable and Sustainable Energy Reviews	61
Napitupulu D.	Analysis of Student Satisfaction Toward Quality of Service Facility	Journal of Physics: Conference Series	42
Ahmar A.S.,	Modeling Data Containing Outliers using ARIMA Additive Outlier (ARIMA-AO)	Journal of Physics: Conference Series	40
Abraham A.G.	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co ²⁺ ions) doped spinel MgFe ₂ O ₄ ferrite nanocomposites	Journal of Magnetism and Magnetic Materials	32
Zuberbier T.	The EAACI/GA ² LEN/EDF/WAO guideline for the definition, classification, diagnosis and management of urticaria	Allergy: European Journal of Allergy and Clinical Immunology	30
Rezakazemi M.,	Thermally stable polymers for advanced high-performance gas separation membranes	Progress in Energy and Combustion Science	28
Benelli G.	Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects	Environmental Science and Pollution Research	28
Garcia-Segura S.	Electrochemical oxidation remediation of real wastewater effluents — A review	Process Safety and Environmental Protection	27
Rahim R.,	Combination Base64 Algorithm and EOF Technique for Steganography	Journal of Physics: Conference Series	26
Kartikadarma E.	An Android mobile RC4 simulation for education	World Transactions on Engineering and Technology Education	26

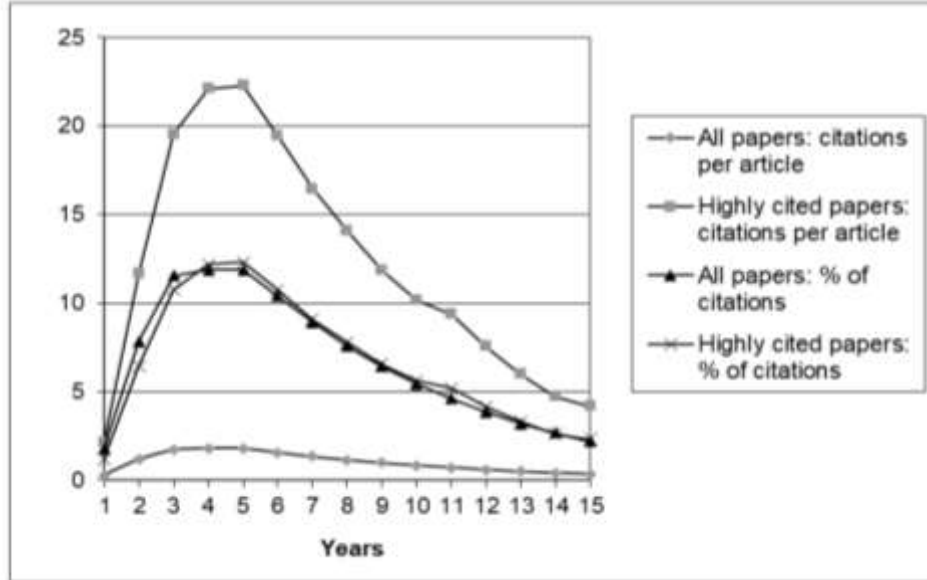


Characteristics of Malaysian highly cited papers

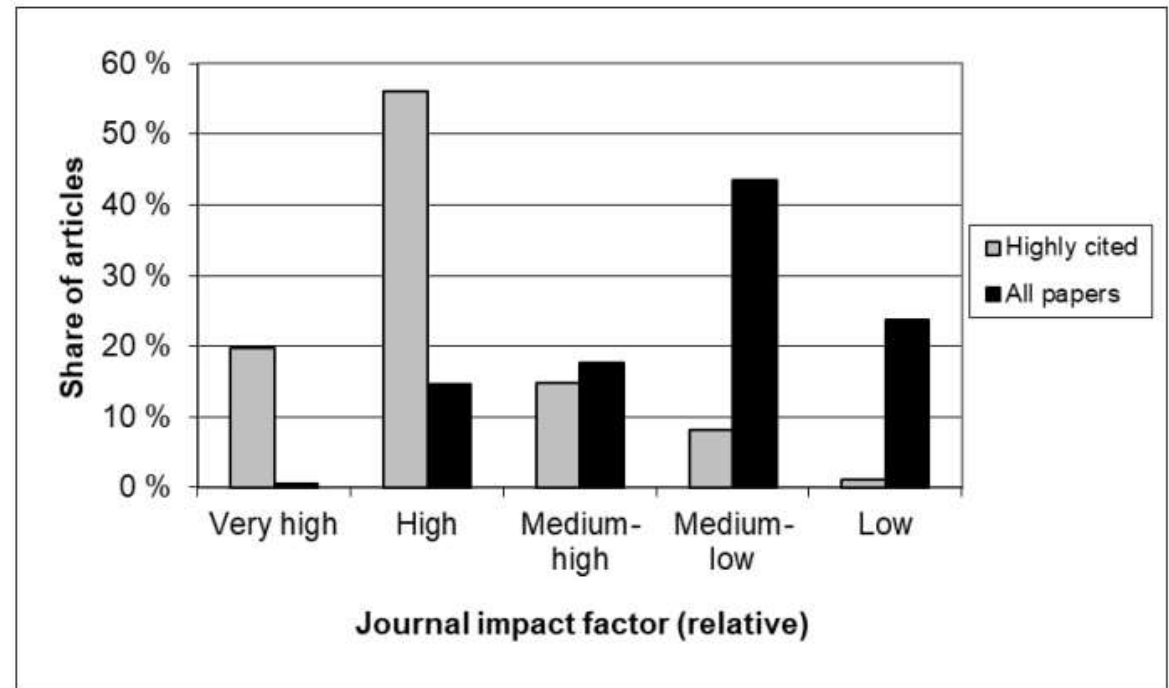
+ RESULTS



Karakteristik paper dengan sitasi tinggi dari para peneliti di Norwegia



Multi author, kolaborasi internasional, JIF tinggi, Review, disitasi penulis asing, swa-sitasi rendah, sitasi naik bertahap,



Legends: Very high (index: >4), high (index: 1.5-4), medium-high (index: 1-1.5), medium-low (index: 0.5-1), low: (index: < 0.5). N: highly cited: 343, all: 54,931. Some journals are assigned to more than one subfield, causing multiple counts.

Highly cited Scopus-indexed article with author from Indonesia in 2018

First Author	Title	Source title	Cited by
Napitupulu D.,	Analysis of Student Satisfaction Toward Quality of Service Facility	Journal of Physics: Conference Series	42
Ahmar A.S.,	Modeling Data Containing Outliers using ARIMA Additive Outlier (ARIMA-AO)	Journal of Physics: Conference Series	40
Grecz N.,	The action of radiation on bacteria and viruses	Preservation of Food by Ionizing Radiation	34
Nurdiyanto H.	Enhanced pixel value differencing steganography with government standard algorithm	Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017	27
Rahim R.	Combination Base64 Algorithm and EOF Technique for Steganography	Journal of Physics: Conference Series	26
Kartikadarma E	An Android mobile RC4 simulation for education	World Transactions on Engineering and Technology Education	26
Ahmar A.S.	A comparison of α -Sutte Indicator and ARIMA methods in renewable energy forecasting in Indonesia	International Journal of Engineering and Technology(UAE)	25
Rahim R.,	Searching Process with Raita Algorithm and its Application	Journal of Physics: Conference Series	23
Listyorini T.	A prototype fire detection implemented using the Internet of Things and fuzzy logic	World Transactions on Engineering and Technology Education	23
Muda I.	Economic Value of Palm Plantation in North Sumatera and Contribution to Product Domestic Regional Bruto	IOP Conference Series: Materials Science and Engineering	22

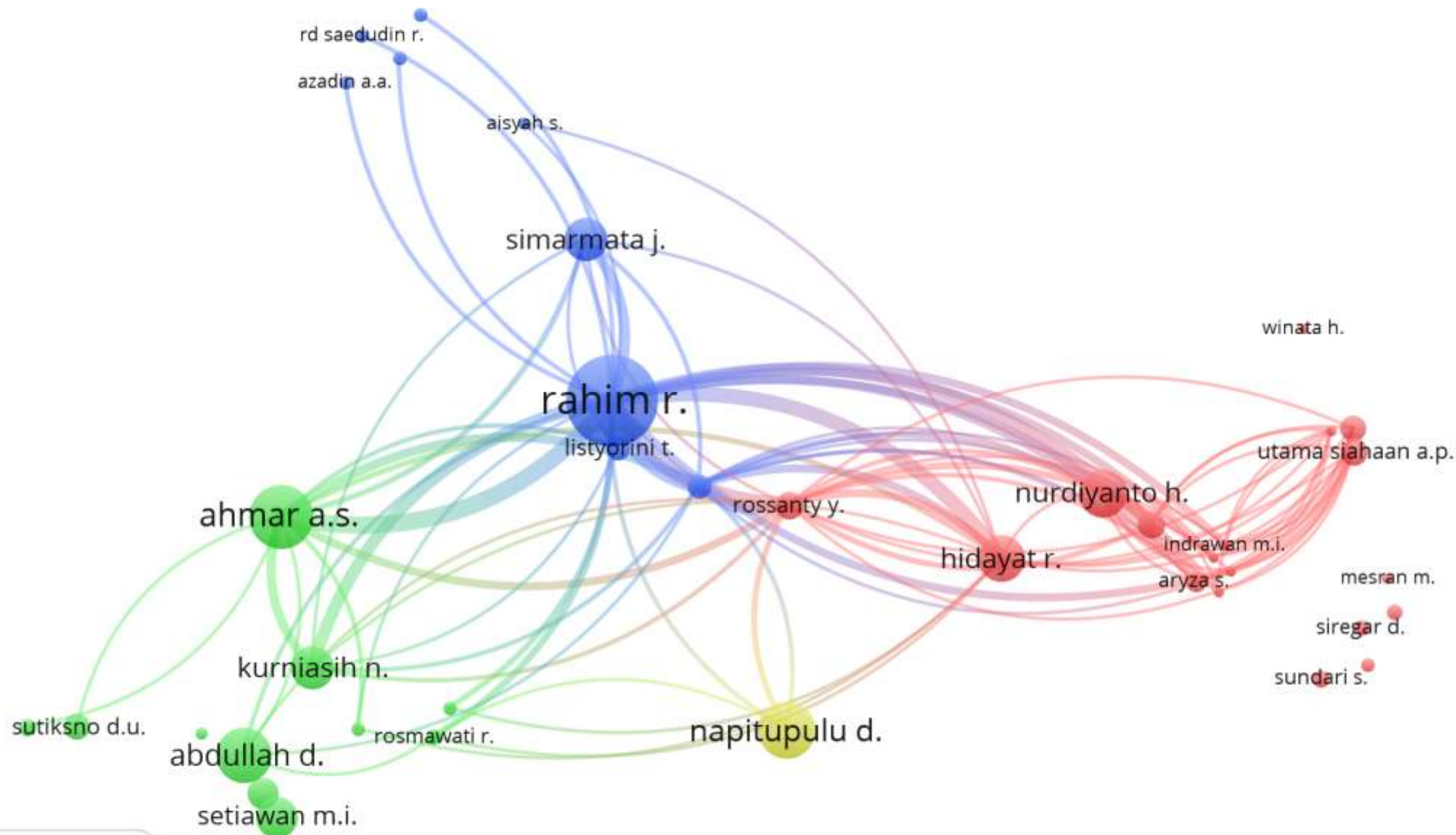
iop conference series: materials science an
journal of physics: conference series



is



VOSviewer



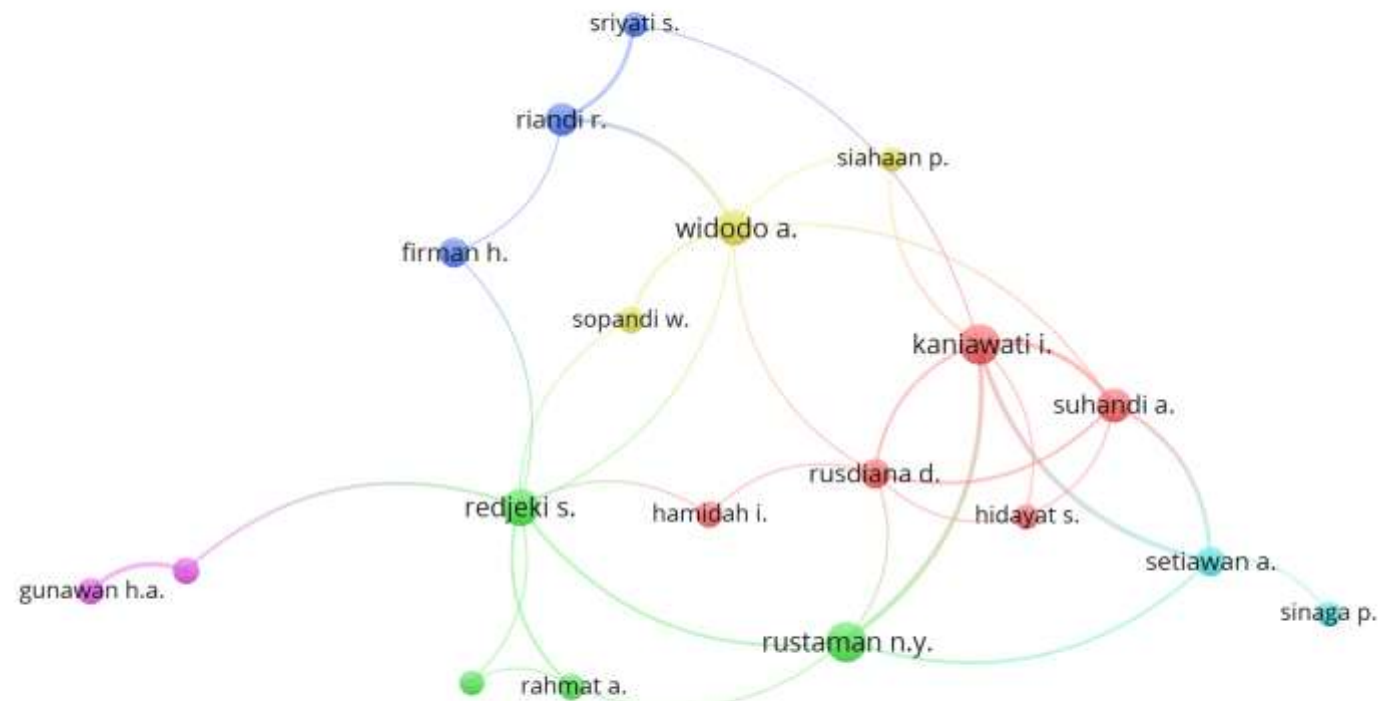
Tantangan

- Ketidaktahuan
- Pemanjat sosial/status
- Keputusan
- Ketidakjujuran
- Ketidakpedulian

Journal of Physics Conference Series tahun 2017

- Tidak terlihat ada indikasi sitasi kelompok secara masif

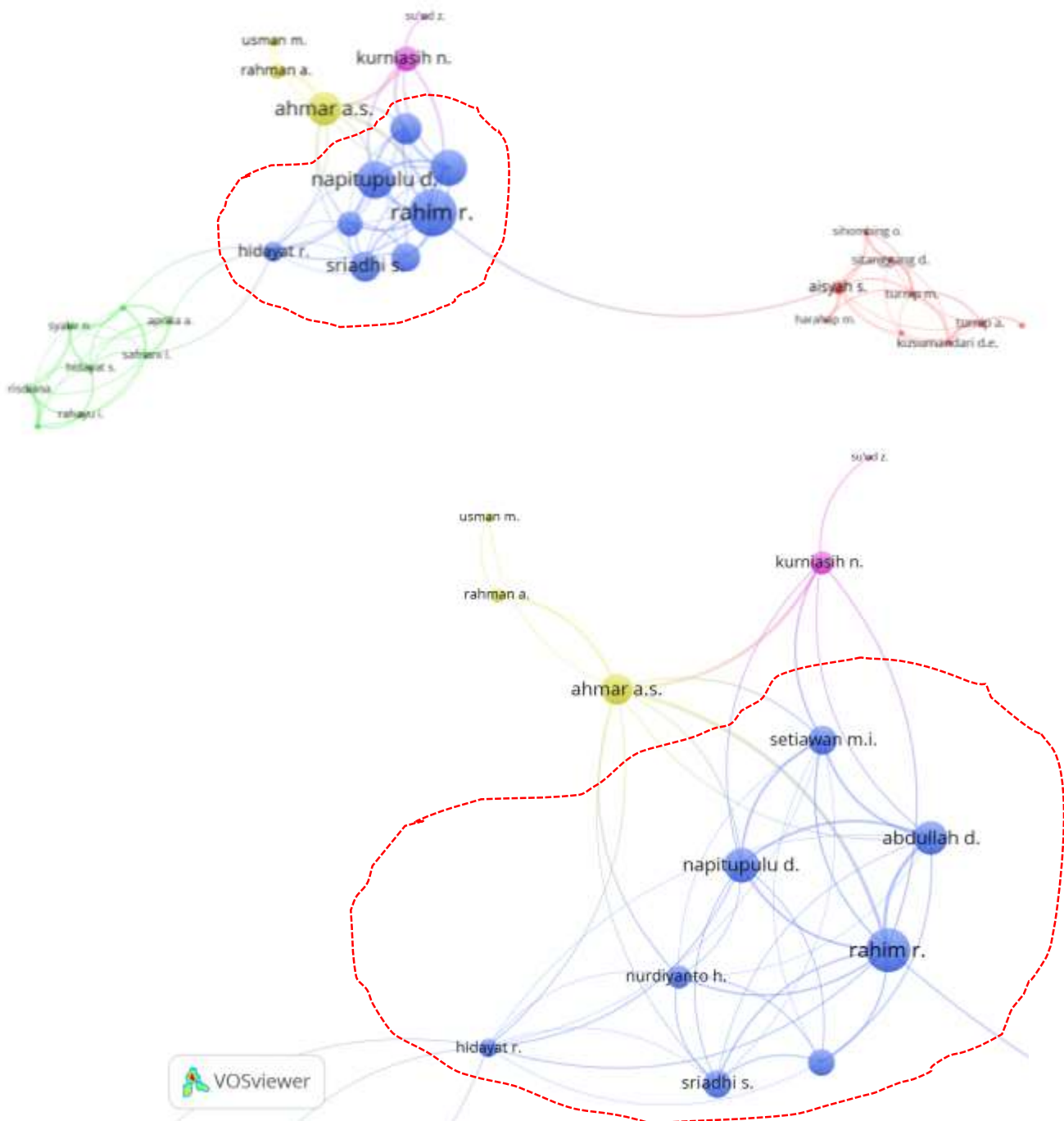
Author	Documents	Citations
suparmi a.	19	24
cari c.	19	23
kaniawati i.	14	5
redjeki s.	12	4
triaminingsih s.	11	4
widodo a.	11	4
rustaman n.y.	14	7
nugraha d.a.	8	18
damiyanti m.	7	0
eriwati y.k.	11	6
herda e.	7	4
irawan b.	7	2
riandi r.	9	0
usman m.	7	1
pratiwi b.n.	7	16
abdullah a.s.	8	3



Journal of Physics Conference Series tahun 2018

- terlihat ada indikasi sitasi kelompok secara masif
- Ada 3 kluster kolaborasi co-authorship. Salah satunya mencurigakan
- Semakin besar node semakin banyak sitasi

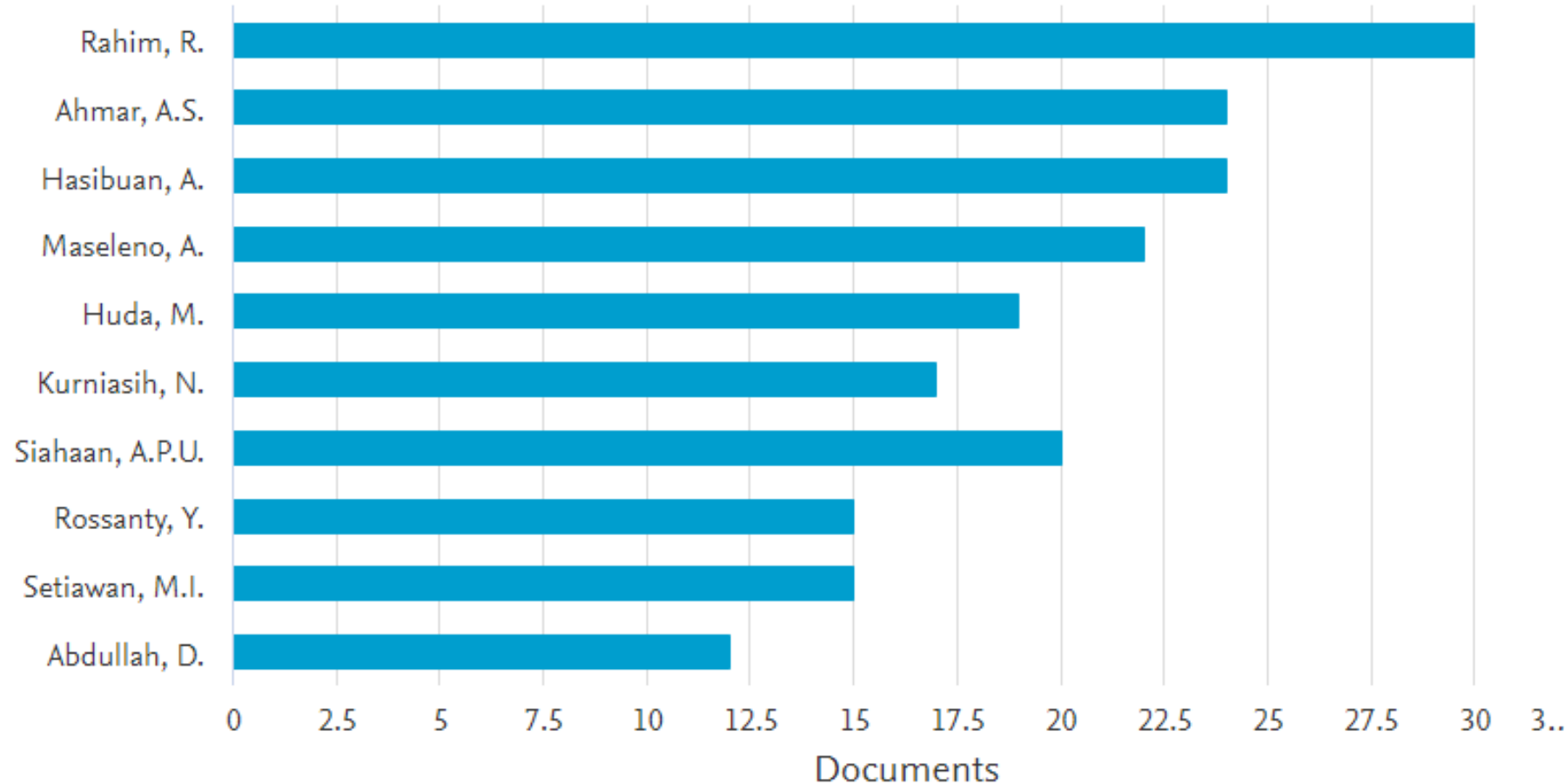
Selected	Author	Documents	Citations
☒	irawan b.	24	0
☒	rahim r.	27	208
☒	ahmar a.s.	30	102
☒	abdullah d.	14	115
☒	srilestari a.	15	0
☒	napitupulu d.	13	122
☒	damiyanti m.	12	0
☒	soufyan a.	12	0
☒	kusmayadi t.a.	15	0
☒	pramudya i.	11	0
☒	hestiantoro a.	10	0
☒	wiweko b.	11	0
☒	herda e.	10	0
☒	kurniasih n.	10	53
☒	setiawan m.i.	10	83
☒	iffanolida p.a.	9	0

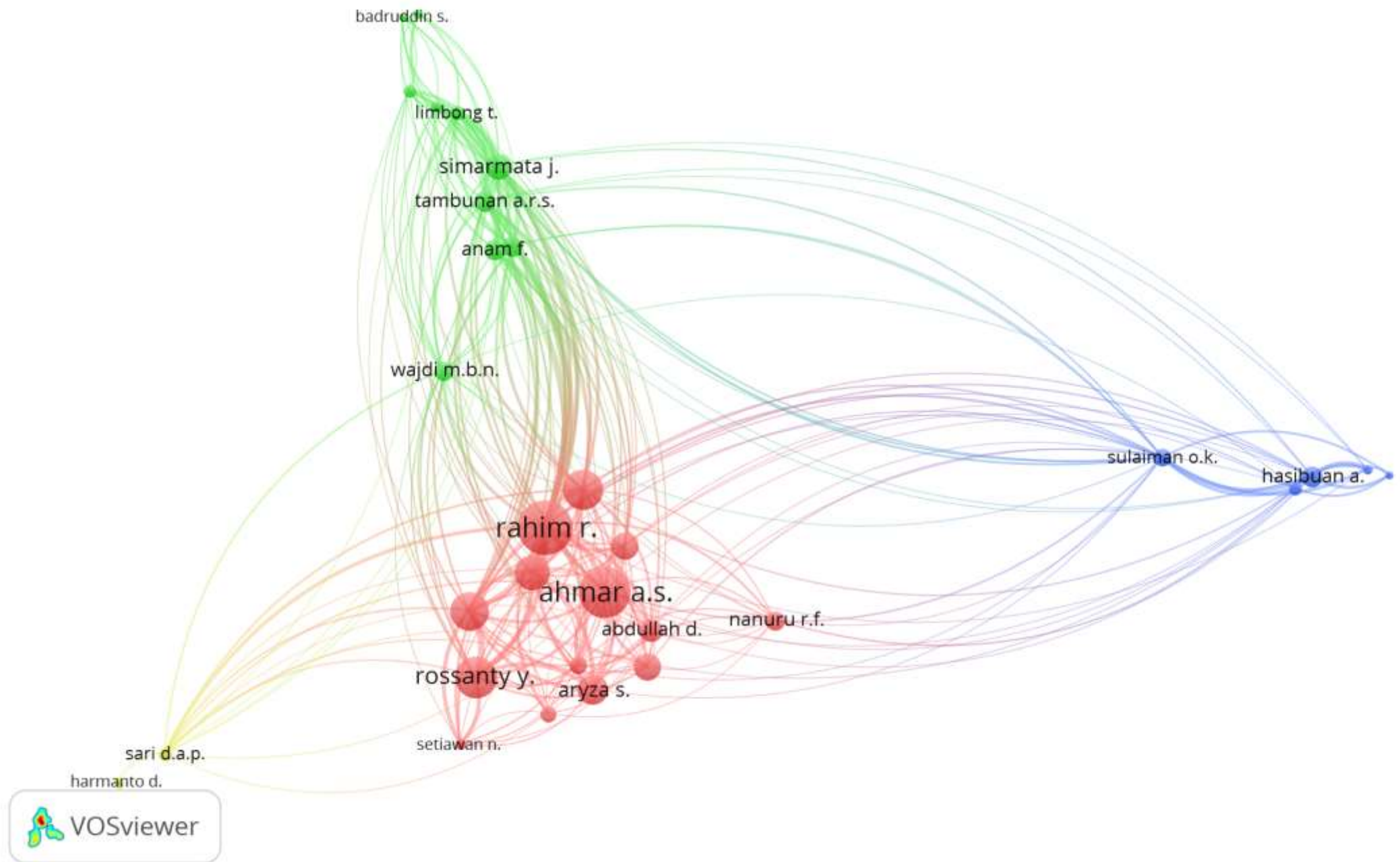


International Journal of Engineering and Technology(UAE) tahun 2018

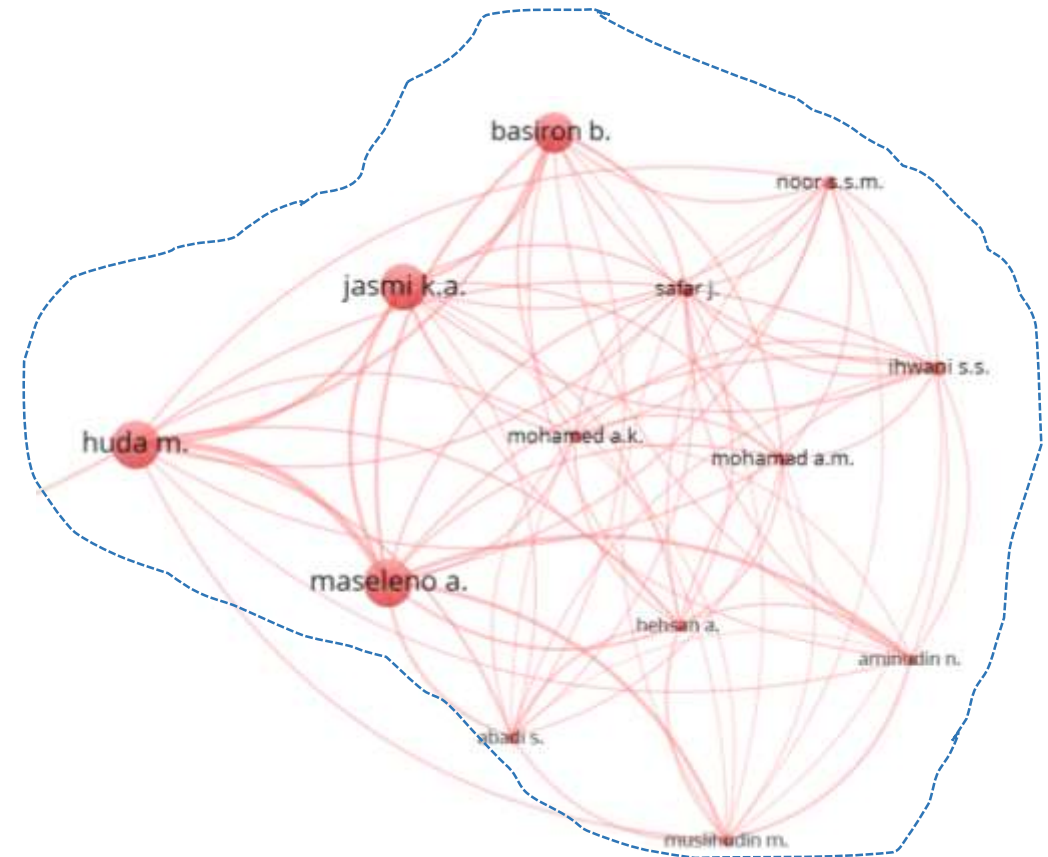
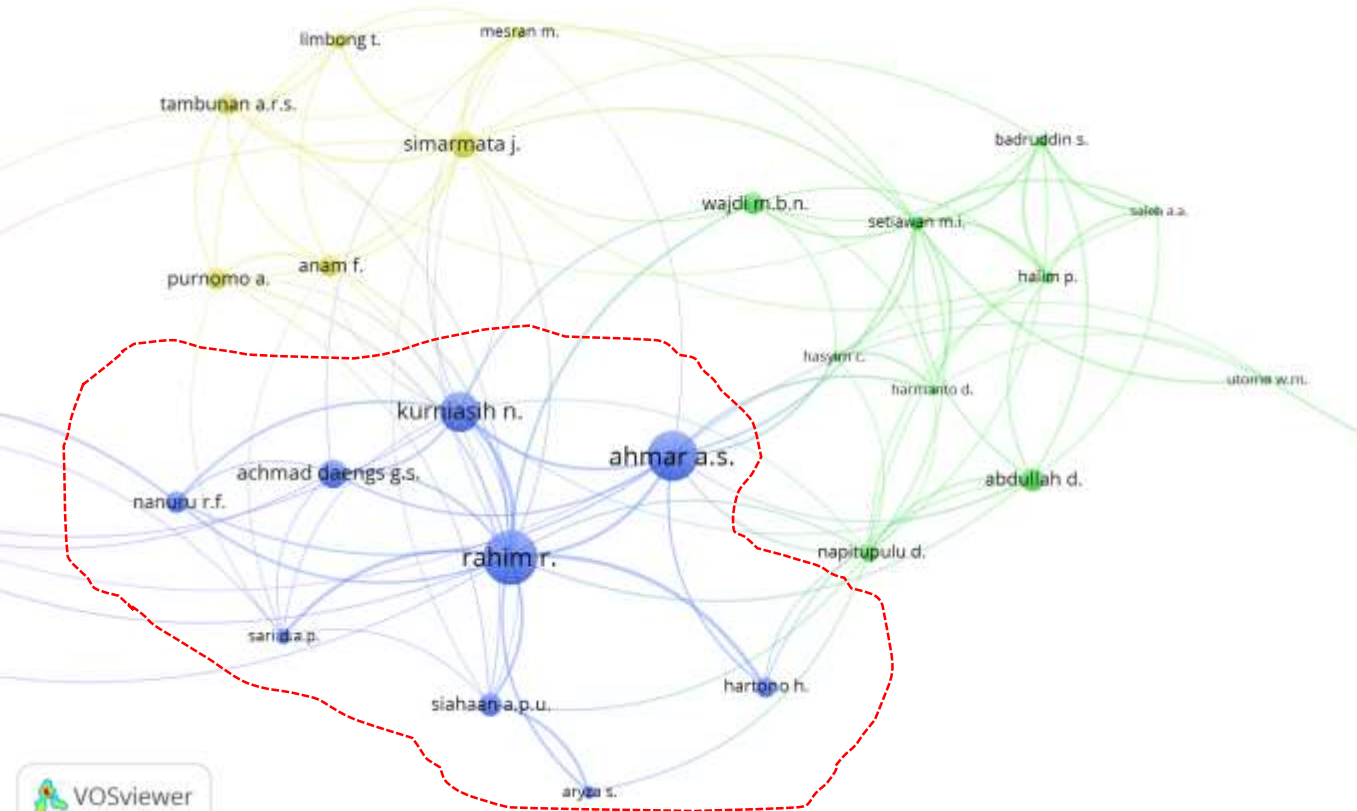
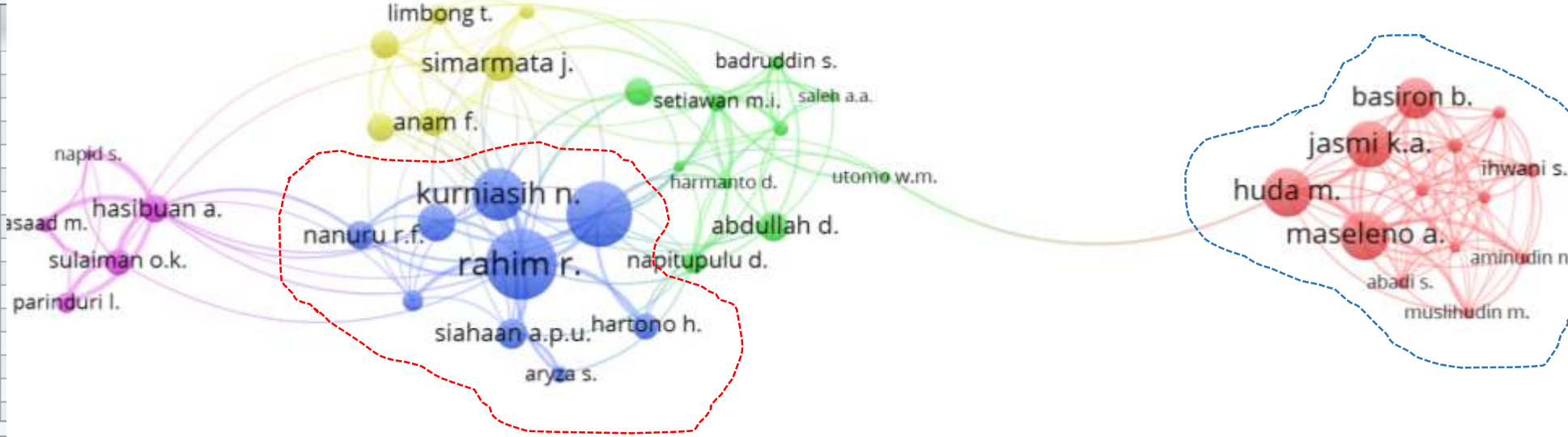
- Jumlah paper dari di jurnal ini meningkat tajam pada tahun 2018
- Ada beberapa cluster kolaborasi co-authorship
- Namun di 2 cluster nampak secara mencolok sitasi ke sejumlah nama yang cukup besar secara relatif dibandingkan dengan anggota kelompok lainnya.
- Perlu pendalaman terhadap artikel pada sejumlah author dengan sitasi tinggi untuk mengidentifikasi perilaku sitasi, etika penulisan ilmiah dan integritas ilmiah.

SRCTITLE (international AND journal AND of AND engineering AND technology) AND (LIMIT-TO (AFFILCOUNTRY , "Indonesia")) AND (LIMIT-TO (PUBYEAR , 2018)) =**766 documents**





Author	Documents	Citations
rahim r.	30	170
maseleno a.	22	73
hasibuan a.	24	24
huda m.	18	73
setiawan m.i.	15	10
simarmata j.	12	40
ahmar a.s.	22	143
kurniasih n.	14	87
sulaiman o.k.	10	20
jasmi k.a.	10	67
basiron b.	9	52
asaad m.	8	6
badruddin s.	8	6
halim p.	7	6
napid s.	7	2
parinduri l.	7	11



Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing

Roig (2015) Available at <https://ori.hhs.gov/sites/default/files/plagiarism.pdf>

Guideline 1:

- An ethical writer ALWAYS acknowledges the contributions of others to his/her work.

GUIDELINE 15:

Authors are strongly urged to double-check their citations. Specifically, authors should always ensure that each reference notation appearing in the body of the manuscript corresponds to the correct citation listed in the reference section and vice versa and that each source listed in the reference section has been cited at some point in the manuscript.

In addition, authors should also ensure that all elements of a citation (e.g., spelling of authors' names, volume number of journal, pagination) are derived directly from the original paper, rather than from a citation that appears on a secondary source.

Finally, when appropriate, authors should ensure that credit is given to those authors **who first reported the phenomenon being studied.**

Roig (2015) Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing. Avail at <https://ori.hhs.gov/sites/default/files/plagiarism.pdf>

GUIDELINE 16:

The references used in a paper should only be those that are **directly related to its contents**. The **intentional inclusion of references** of questionable relevance for purposes such as **manipulating a journal's or a paper's impact factor or a paper's chances of acceptance**, **is an unacceptable practice**.

Roig (2015) Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing. Avail at <https://ori.hhs.gov/sites/default/files/plagiarism.pdf>

GUIDELINE 17:

Always cite the actual worked that is consulted. When the published paper cannot be obtained, cite the specific version of the material being used whether it is conference presentation, abstract, or an unpublished manuscript. Ensure that the cited work has not been subsequently corrected or retracted.

Roig (2015) Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing. Avail at <https://ori.hhs.gov/sites/default/files/plagiarism.pdf>

2018 the most cited Indonesian article in Scopus

Joint Workshop of KO2PI 2017 & ICMSTEA 2016

IOP Publishing

IOP Conf. Series: Journal of Physics: Conf. Series **954** (2018) 012019

doi:10.1088/1742-6596/954/1/012019

Per 27 Oct 2018

Analysis of Student Satisfaction Toward Quality of Service Facility

D Napitupulu^{1*}, R Rahim², D Abdullah³, MI Setiawan⁴, LA Abdillah⁵, AS Ahmar⁶, J Simarmata⁷, R Hidayat⁸, H Nurdiyanto⁹, A Pranolo¹⁰

¹Research Center for Quality System & Testing Technology,
Indonesian Institute of Sciences, Tangerang Selatan, Banten, Indonesia

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Malaysia

³Department of Informatics, Universitas Malikusaleh, Aceh, Indonesia

⁴Department of Civil Engineering, Narotama University, Surabaya, Indonesia

⁵Department of Information System, Universitas Bina Darma, Palembang, Indonesia

⁶Department of Statistics, Universitas Negeri Makassar, Makassar, Indonesia

⁷Department of Informatics, Universitas Malikusaleh, Aceh, Indonesia

⁸Department of Information Technology, Politeknik Negeri, Indonesia

⁹Department of Informatics Engineering, STMIK Dharma Wacana, Lampung,
Indonesia

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*darwan.na70@gmail.com

All citation : 42

Exclude authors' citation: 11



Interpretation of the Meaning of Mosque Architecture : A Case Study Mosque 99 Cahaya in Lampung, Sumatera Island, Indonesia

It is believed that every form of architecture created is always born out of the need for space to accommodate specific activities[4], [5] Human as user, will always gave meaning to relation between activities[6], [7] with created space. Humans also al-

- [1] F. Achmad, *Arsitektur Masjid*. Yogyakarta: Benteng Pustaka, 2009.
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- [3] S. Yulianto, *Arsitektur Masjid dan Monumen Sejarah Muslim*. Yogyakarta: Gadjah Mada University Press, 2006.
- [4] A. Sidharta Muljadinata, A. Antariksa, and P. Salura, "The role of localities in karsten's works in architecture and city of Semarang," *IOP Conf. Ser. Earth Environ. Sci.*, vol. 126, no. 1, p. 12007, Mar. 2018.

[5] B. Alsolami, M. R. Embi, and W. I. Enegbuma, "Structural equation modelling assessment of personal and social factors on Hajj crowding among African pilgrims in Mina," *Int. J. Eng. Technol.*, vol. 7, no. 2, pp. 127–133, 2018.

[6] D. Napitupulu et al., "Analysis of Student Satisfaction Toward Quality of Service Facility," *J. Phys. Conf. Ser.*, vol. 954, no. 1, p. 12019, Jan. 2018.

[7] A. S. Ahmar et al., "Modeling Data Containing Outliers using ARIMA Additive Outlier (ARIMA-AO)," *J. Phys. Conf. Ser.*, vol. 954, no. 1, 2018.

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[9] S. Dutta and M. Roy, "Rural Urban Classification (RUC) and its impact on funding pattern for urban development in the context of Indian cities," *Int. J. Eng. Technol.*, vol. 7, no. 1–4, p. 20, Jan. 2018.

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[11] A. I. Kahera, L. Abdulmalik, and C. Anz, *Design criteria for mosques and Islamic centers : art, architecture and worship*. Elsevier Architectural Press, 2009.

[12]....



Inflated Portable Cold Storage House with Solar Cells as facilities to support the fisheries production and marketing

M Ikhsan Setiawan^{1*}, Iswachyu Dhaniarti², Cholil Hasyim³, Yuniningsih⁴, Dahlan Abdullah⁵, Veronika Nugraheni Sri Lestari⁶, Wahyu Mulyo Utomo⁷, Agus Sukoco⁸, Sri Wiwoho Mudjanarko¹, Arasy Alimudin⁸, Dani Harmanto⁹ and Ansari Saleh Ahmar¹⁰

prices. Thus, fishermen need fish cold storage that keeps fish fresh. Cold Storage can be a solution in maintaining the quality of fish or other marine products. In other hand, cold storage needs cost and there are limited energy resources, then the many fishing shelters does not have Cold Storage. The solution offered to fishermen is Cold Storage Technology at a low cost, namely Inflated Portable Cold Storage House with Solar Cell. Inflated Portable Cold Storage Houses with Solar Cells must meet the requirements of convenience and duration of Cold Storage placement in shelters, removable, folded and moved to other locations only by truck or pickup [4]–[12].

[4] J. Suyono, A. Sukoco, M. I. Setiawan, Suhermin, and R. Rahim, "Impact of GDP Information Technology in Developing of Regional Central Business (Case 50 Airports IT City Development in Indonesia)," IOP Conf. Ser. J. Phys. Conf. Ser., vol. 930, p. 11002, 2017.

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Revitalization Model The Role of Tigo Tungku Sajarangan in Fostering Character of Children in Minangkabau Family and Its Socialization Through Website

Roswita Sitompul¹, A Alesyanti², H Hartono^{3*}, Ansari Saleh Ahmar⁴

¹Faculty Law, Universitas Islam Sumatera Utara, Medan, Indonesia

²Department of Criminal Law Faculty of Law Science, Universitas Muhammadiyah Sumatera Utara, Medan, Indonesia

³Department of Computer Science, STMIK IBBI, Medan, Indonesia

⁴Department of Statistics, Universiti Negeri Makassar, Makassar, Indonesia

Corresponding author E-mail: hartonoibbi@gmail.com

active or passive consumers of digital technology. Greenfield et al. [4] had done a research that the study shows the impact of contemporary technology culture and ICT [5]–[7] on the dynamics of socialization and the process of interacting with the reality of 2-4 year olds who are active or passive consumers of digital technology. The phenomenon that occurs in the midst of society at this

The design of socialization website in this research is done by using System Development Life Cycle (SDLC) method [6], [7], [20]–[26] The SDLC Method can be seen in Fig. 2.

B. A. LAUBER, and P. PERUCCHINI, "Cognitive Socialization by Computer Games in Two Cultures: Inductive Discovery or Mastery of an Iconic Code?" p. 27.

- [5] J. Suyono, A. Sukoco, M. I. Setiawan, S. Suhermin, and R. Rahim, "Impact of GDP Information Technology in Developing of Regional Central Business (Case 50 Airports IT City Development in Indonesia)," in *Journal of Physics: Conference Series*, 2017, vol. 930, no. 1.
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Karakteristik swa-sitasi

- Self-citations are generally younger and have a shorter half-life than foreign citations
- Self-citations stabilize in a period of three to four years after publication
- There is a clear relationship between the number of citations and self-citations received
- The percentage of self-citations only slightly increases with the number of co-authors.

Glänzel W, Debackere K, Thijs B, Schubert A. A concise review on the role of author self-citations in information science, bibliometrics and science policy. *Scientometrics*. 2006; 67: 263–277.

Manipulasi sitasi dapat bersumber dari inisiatif editor jurnal

Elsevier states “**an editor should never conduct any practice that obliges authors to cite his or her journal either as an implied or explicit condition of acceptance for publication**... Editors should direct authors to relevant literature as part of the peer review process; however, this should never extend to blanket instructions to cite individual journals”

Huggett S. Impact factor ethics for editors: How impact factor engineering can damage a journal's reputation. Available: <https://www.elsevier.com/editors-update/story/journal-metrics/impact-factor-ethics-for-editors>. Accessed 29 February 2016.

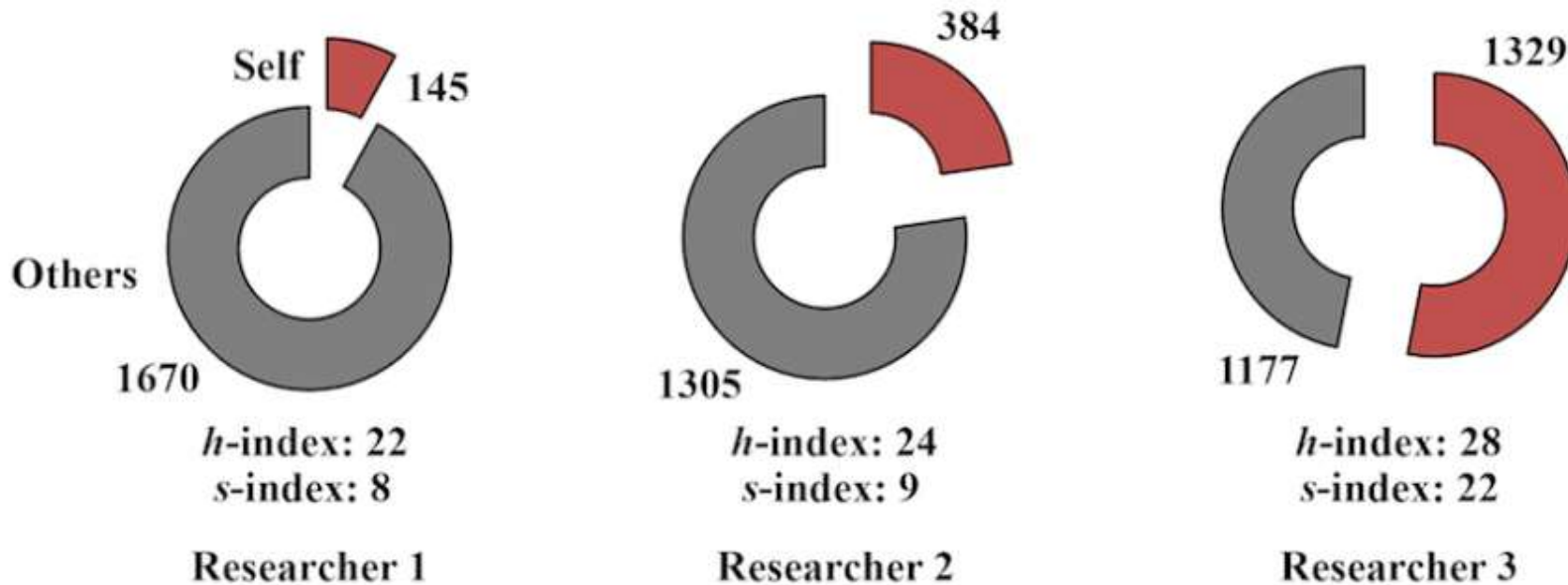
Bagaimana cara alamiah meningkatkan h-index?

- The most effective method to increase one's h-index is to produce work that is highly cited by other.
- The next best strategy is to be productive. The length of the career only has a moderate influence.
- On average, authors can increase their h-index by one per year, as it was predicted by Hirsch

Norms for the Inclusion and Exclusion of References

- Works should be cited that support each key element of the exposition of existing theory
- Works should be cited that have been influential in the formulation of the research question, the research method, and the argument
- Works should be cited where the absence of a citation would (or arguably even could) represent an implicit claim of originality for an important idea
- Works should not be cited unless they have direct relevance to one of the above criteria

s-index: A scientist has a self-citation index s equal to the total number of s papers that he or she has published that have at least the same amount of s self-citations



publications



Article

Improving the Measurement of Scientific Success by Reporting a Self-Citation Index

Justin W. Flatt ^{1,*}, Alessandro Blasimme ² and Effy Vayena ²

Beberapa pertanyaan yang perlu dijawab

- Bagaimanakah proses review pada jurnal tersebut?
- Apakah ada kesengajaan untuk mensitasi artikel dari kelompok tersebut? Apa maksud dan tujuan tindakan tersebut?
- Apakah institusi yang bersangkutan mengetahui hal tersebut?
- Apa langkah lebih lanjut untuk menegakkan etika dan integritas akademik?
 - Kepada yang bersangkutan
 - Komunitas ilmiah
 - Jurnal dan lembaga pengindeks
 - SINTA: perbaikan algoritme

In the world of dishonest scientists anxiously seeking fame there is no room for public recognition, support and cheering. The whole educative and research system would certainly collapse and would not be resurrected from the ashes.

J. Cell Commun. Signal. (2017) 11:291–295
DOI 10.1007/s12079-017-0405-7



CrossMark

COMMENT

The disastrous boomerang effects of “citation mania”

Annick Perbal¹

Penutup

- Mari kita hindari kesalahan berjamaah dalam melakukan sitasi dalam publikasi ilmiah.
- Ketidapatutan dalam mensitasi akan terekam dalam berbagai basis data bibliografi.
- Penulis, editor dan semua kalangan ilmiah perlu memahami etika dan berintegritas dalam menyitasi
- Metrik kinerja bibliografi dapat mengukur secara umum sampai terinci.
- Marwah SINTA ditentukan oleh akuntabilitas dan tata kelola termasuk pemantauan berbagai ketidakpatutan (*misconduct*) ilmiah yang tercatat secara kuantitatif.

Terima Kasih