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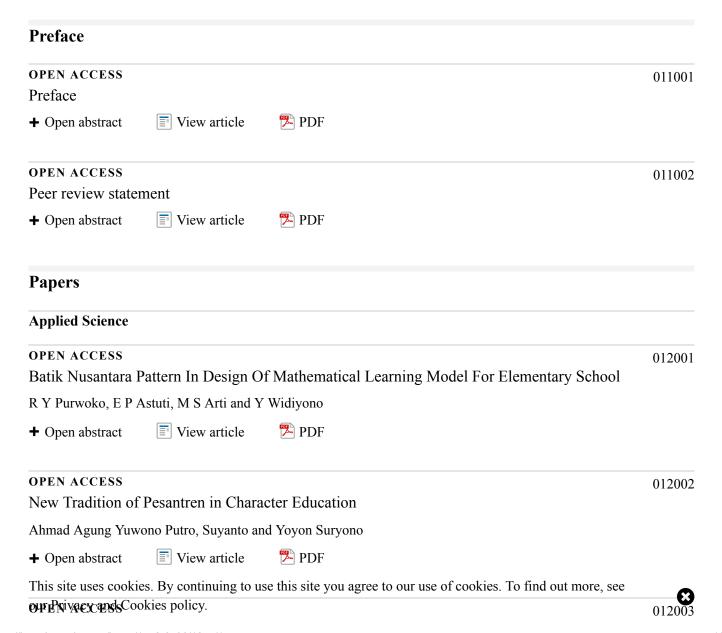
# 2019

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# 1st UPY International Conference on Applied Science and Education 2018 24–26 October 2018, Yogyakarta, Indonesia

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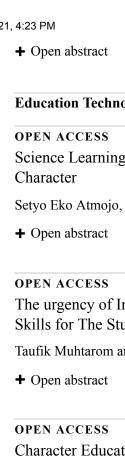
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Moh Toharudin, Totok Sumaryanto Florentinus, Rasdi Ekosiswoyo and Joko Sutarto

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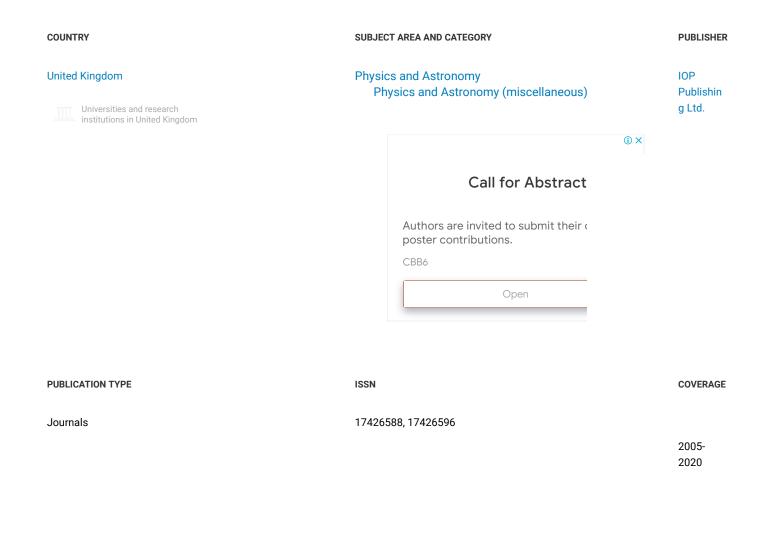
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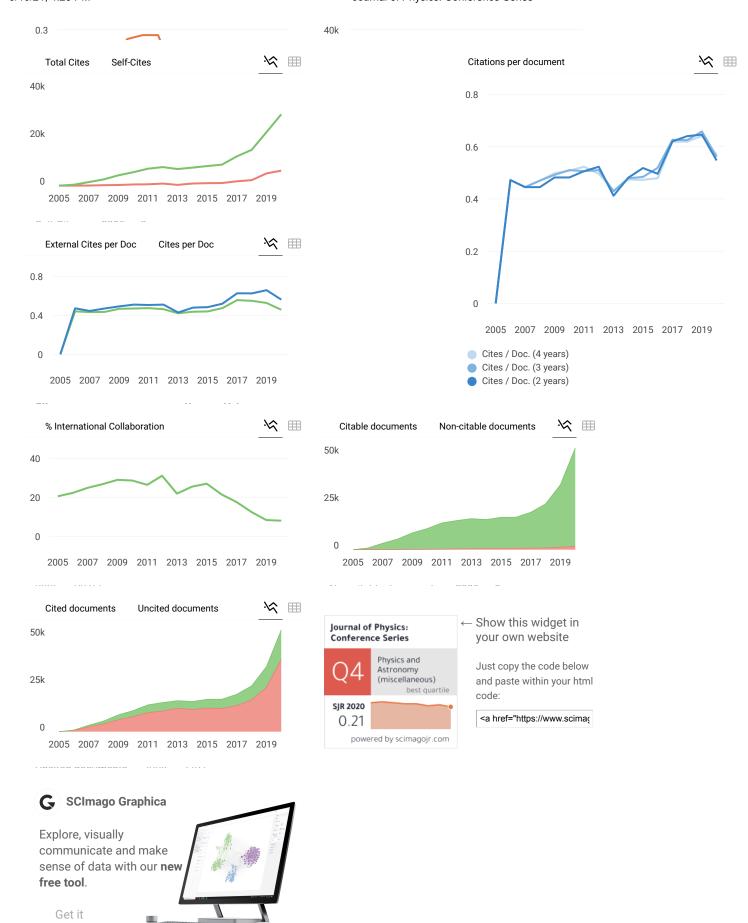
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reply



#### Melanie Ortiz 3 weeks ago

Dear Arcadius, thank you very much for your comment. We suggest you consult the Scopus database directly. Best Regards, SCImago Team

#### Ren 3 months ago

Hi,, how long does an article published in JPCs will appear in scopus? Waiting for your reply

reply



# Melanie Ortiz 2 months ago

Dear Ren,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you contact Scopus support:

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#### A Alexandr Kupershtokh 3 months ago

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However, in SCOPUS SEARCH by Authors, all my articles published in this journal are marked as Proceedings in list publications.

Please, correct the information in SCOPUS SEARCH.

Sincerely yours,

Alexandr Kupershtokh

reply

#### A Amz 3 months ago

At scopus it already declare as conference proceeding



# Melanie Ortiz 3 months ago

uz 3 monus ago

Dear Alexandr,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you contact Scopus support:

https://service.elsevier.com/app/answers/detail/a\_id/14883/kw/scimago/supporthub/scopus/Best Regards, SCImago Team

#### S Sheetal Jagdale 9 months ago

This "Journal of Physics: Conference Series" is classified as Journal in SCOPUS october 2020 list.

Even in https://www.scopus.com/sources it is listed in Journal

But the SCImago has mentioned conference.

Kindly guide

reply

# S Samar Ghazal 7 months ago

Dear,

SCImago Team

I already saw all comments below, the fact is that the Journal of Physics: Conference Series is still classified as a journal in Scopus (30/1/2021). Can you check it with Scopus, please?

Thank you so much

Regards,

Samar

Melanie Ortiz 7 months ago

SCImago Team

SCImago Team

Dear Samar,

Thank you for contacting us.

As said below, Scopus sent us a request to change the publication type from

"Journal" to "Conference and Proceedings" last August.

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Best Regards, SCImago Team



#### Melanie Ortiz 9 months ago

Dear Sheetal,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

#### Н Huda 10 months ago

Please, I have a question about the IOP Journal of Physics magazine from which quarter?

reply



#### Melanie Ortiz 10 months ago

Dear Huda,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

#### M MD SARFARAZ ALAM 11 months ago

Dear,

SCImago Team

In scopus website when I am checking this JPCS is coming under journal section not conference preceedings.

I think SCImago team needs to modify this satus here and change it into journal category not proceedings. If you are following SCOPUS coverage.

Regards, Dr. S. Alam JMI University reply

#### J jose daniel 10 months ago

Dear,

SCImago Team

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#### Melanie Ortiz 10 months ago

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Dear Jose,

Thank you for contacting us. As said previously, Scopus sent us a request yo change the publication type from "Journal" to "Conference and Proceedings" a few months ago.

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Best Regards, SCImago Team



#### Melanie Ortiz 11 months ago

SCImago Team

Dear Dr. S. Alam,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

#### A Albert King 11 months ago

Dear SCImago Team

I got my article published in "Journal of Physics: Conference Series" in June 2020. At that time it was classified as 'Journal'on scimagojr website. But now it has been changed to 'Conference Proceeding'.

Can you please provide a proof that it was a "journal" type publication and later it got changed to 'Conference Proceeding'. Thank you

reply

SCImago Team



Melanie Ortiz 11 months ago

Dear Albert,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you contact Scopus support as all our metadata have been provided by them:

https://service.elsevier.com/app/answers/detail/a\_id/14883/kw/scimago/supporthub/scopus/Best Regards, SCImago Team

# A Anderson Sandoval 12 months ago

Reviewing the new classification reported on this web platform, I see with surprise that this journal was eliminated from the assignment of quartiles, while other proceeding journals still continue with the classification of journal and assignment of quartiles. Which leads me to wonder:

Why does this happen?

Is there discrimination in the process?

Why isn't everyone treated the same equally?

Where is the level playing field?

Is there the status favouring of some of these proceedings for belonging to large publishers?

I would like to know the reasons why this journal was removed from the classification by quartiles and why other proceeding journals did not suffer the same treatment.

Staying tuned

Cordially,

reply



Dear Anderson,

Thank you for contacting us. As said below, SCImago calculates the SJR data for all the publication's types, but the Quartile's data are only calculated for Journals and Book Series. SCImago does not decide if a publication has to be classified as a Conference and proceedings, journal or book serie. It is Scopus who proceeds to classify the publication types. Therefore, you need to contact Scopus regarding this matter here: https://service.elsevier.com/app/answers/detail/a\_id/14883/kw/scimago/supporthub/scopus/

Best regards, SCImago Team



Nasir Za'ba 1 year ago

Dear SCImago Team

I have seen the comment below and the SCImago Team's explanation. I would like to know, what is

the publication type for old articles of JPCS that were published before this status changes? Are my old articles still classified as JOURNAL or CONFERENCES

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Nasir,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you contact Scopus support:

https://service.elsevier.com/app/answers/detail/a\_id/14883/kw/scimago/supporthub/scopus/Best Regards, SCImago Team

#### D Dr. Jawad Alzaidi 1 year ago

Dear team of journal... Please answer for me clearly. If journal has Q and sitescore in scopus now?...I Read all the comments above and not found clear answer..... Best regards

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Dr. Jawad,

Thank you very much for your comment.

You need to consult the Scopus database directly to see the CiteScore.

Best Regards, SCImago Team

#### R Restu 1 year ago

Why does the coloured quartile graph is not shown on this page? It used to be shown buy why did it dissapear?

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Restu,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

#### Kadir Kadir 1 year ago

Please be informed, in July 2020, "Journal of Physics: Conference Series" still has a Q3 quartile, why is there currently no quartile (written not yet assigned quartile)

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Kadir,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

# R Rana 1 year ago

Now I am checking this journal in scopus preview . This journal still called journal of physics there isn't any change in name

reply

#### H Hoang Van Ngoc 1 year ago

Please tell me the Q of this magazine? Why not see it here? thanks

reply



# Melanie Ortiz 1 year ago

SCImago Team

Dear Hoang,

Thank you for contacting us. Please see comments below.

Best Regards, SCImago Team

# S Sergey 1 year ago

Good day!

Why was the quartile removed from the Journal of Physics: Conference series, if it was declared in the Scopus database as Journal of Publication?

reply

SCImago Team



#### Melanie Ortiz 1 year ago

Dear Sergey,

Thank you for contacting us. This publication type has been recently changed from "Journal" to "Conference and Proceedings", after receiving a change order by Scopus last week

Best regards, SCImago Team

#### A Anna Voroshilova 1 year ago

Dear colleagues,

The status of the journal has just been updated to no quartile assigned. But a month ago when the database for 2019 was upated it showed Q3. Now it is even not seen that it has had Q3 for years. Hoe can you explain it?

reply

#### S Sergey 1 year ago

On the scopus site, this journal still belongs to the type of publication - journal. Ilya I don't understand something?



# Melanie Ortiz 1 year ago

Dear Anna,

Thank you for contacting us. This publication type has been recently changed from "Journal" to "Conference and Proceedings", after receiving a change order by Scopus. We calculate the SJR data for all the publication's types, but the Quartile's data are only calculated for Journals and Book Series.

Best regards, SCImago Team

# J Jean Pierre Uwiringiyimana 1 year ago

What is the cost of publishing an article in the Journal of Physics: Conference Series?

reply



#### Melanie Ortiz 1 year ago

Dear Jean Pierre, thank you very much for your comment, we suggest you look for that information in the website or contact the editorial staff. Best Regards, SCImago Team

SCImago Team

SCImago Team

#### Nismon Rio 1 year ago

Is this Indexed in Scopus Database?

When i checked it is not listed.

reply



Melanie Ortiz 1 year ago

SCImago Team

Dear Nismon,

Thank you very much for your comment.

All the metadata have been provided by Scopus /Elsevier in their last update sent to SCImago, including the Coverage's period data. The SJR for 2019 was released on 11 June 2020. We suggest you consult the Scopus database directly to see the current index status as SJR is a static image of Scopus, which is changing every day.

Best Regards, SCImago Team

#### Rio Aurachman 1 year ago

Today is already June. But the new rank not released yet. Could you please send the spesific date when will the the new SJR will be released. Thank you before

reply



Melanie Ortiz 1 year ago

SCImago Team

Thank you for contacting us. Our data come from Scopus, they annually send us an update of the data. This update is sent to us around April / May every year. Therefore, the indicators for 2019 will be available throughout this month (June 2020) but we can not tell you a specific day. Best regards, SCImago Team



Saiqa Khan 1 year ago

Dear Rio,

Please tell me impact factor?

reply

SCImago Team



Melanie Ortiz 1 year ago

Dear Saiqa, thank you very much for your comment.

SCImago Journal and Country Rank uses Scopus data, our impact indicator is the SJR. The next update will be made throughout June 2020. We suggest you consult the Journal

Citation Report for other indicators (like Impact Factor) with a Web of Science data source. Best Regards, SCImago Team



#### Ahmad Fauzi 1 year ago

why the journal (physics) has Q3 while material science and engineering (https://www.scimagojr.com/journalsearch.php?q=19700200831

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Ahmad,

Thank you for contacting us. We calculate the SJR data for all the publication types, but the Quartile data are only calculated for Journal type's publications. Best regards, SCImago Team

# karrar Imad Abdulsahib Al-Shammari 1 year ago

Dear Sir/Madam.

I have article titled 'Influence of dietary epigallocatechin-3 gallate and Larginine and its combination on early laying performance and physiological status of stressed Japanese quails' which have been published in IOP Conf. Series: Journal of Physics: Conf. Series 1294 (2019) 092014. This article is not inclded in Scopus Preview, although the journal is registered in Scopus database.

I am looking forward to hearing from you

reply



#### Melanie Ortiz 1 year ago

SCImago Team

Dear Sir,

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you to contact directly with Scopus support:

https://service.elsevier.com/app/answers/detail/a\_id/14883/kw/scimago/supporthub/scopus/Best Regards, SCImago Team

#### Rose 2 years ago

Dear SCImago Team,

It is stated in the JPCS homepage that the journal is a proceeding publication (https://iopscience.iop.org/journal/1742-6596). Is it valid and common for proceeding publication

to have Q3 rank over years in scopus? Looking forward for you explanation.

reply

SCImago Team



#### Melanie Ortiz 2 years ago

Dear Rose,

Thank you for contacting us.

As you probably already know, SJR is a portal with scientometric indicators of journals indexed in Scopus. All the data have been provided By Scopus /Elsevier. This fact implies that Scopus sends us an annual update of their publications and their metadata. If Journal of Physics: Conference Proceeding appears as a "Journal publication's type " it means that Scopus has categorized it like this. In addition, we have to say that the metadata belongs to Scopus, thus SCImago doesn't have the authority over this data which are exclusively property of Scopus/Elsevier. SCImago has a signed agreement that limits our performance to the generation of scientometric indicators derived from the metadata sent in the last update.

Referring the indicators, we inform you that we calculate the SJR data for all the publication types, but the Quartile data are only calculated for Journal type's publications. Best regards, SCImago Team

#### Dian Handayani 2 years ago

Dear editor,

We intend to a held conference in the medical and health science scope. Is that possible for us to send our full paper that has been presented (oral presentation) to be published in this journal as proceeding?

Many thanks, looking forward for your favorable feedback

Regards,

Dian

reply

SCImago Team



# Melanie Ortiz 2 years ago

Dear Dian,

thank you for contacting us.

We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus. Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff, so they could inform you more deeply. Best Regards, SCImago Team



#### La Zakaria 2 years ago

I would like to ask you about Sjr for 2019.

reply



# Melanie Ortiz 2 years ago

SCImago Team

Dear La Zakaria ,The indicators for 2019 will be available in June 2020 and before that we can't know what will happen whith with this journal . Best Regards, SCImago Team

#### J Jorge Moreno 2 years ago

Dear Editorial Board,

I have a question: I am an author of this journal and I need the paper to be included in OpenAIRE, to then include it in my EC project. I have been looking for it but I couldn't find it. Could you help me with some instructions?

Thanks a lot for your help!

Jorge

reply



#### Melanie Ortiz 2 years ago

SCImago Team

Dear Jorge,

thank you for contacting us.

We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.

Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff, so they could inform you more deeply. Best Regards, SCImago Team

# H HÜSEYİN KALKAN 2 years ago

Hello Dear Authorized

Which indexes are your journal entitled "Journal of Physics: Conference Series". I need this information I'll be glad if you help with this. Yours truly. Dr. Hüseyin KALKAN

reply

SCImago Team



Melanie Ortiz 2 years ago

Dear HÜSEYİN,

thank you for contacting us.

Sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.

Unfortunately, we cannot help you with your request, we suggest you to visit the journal's homepage or contact the journal's editorial staff, so they could inform you more deeply. Best Regards, SCImago Team

# S Sirwan 2 years ago

Dear this journal why is not in the Thomson Reuters?

reply



#### Melanie Ortiz 2 years ago

SCImago Team

Dear Sirwan, SCImago Journal and Country Rank uses Scopus data, our impact indicator is the SJR. Check our web to locate the journal. We suggest you to consult the Journal Citation Report for other indicators (like Impact Factor) with a Web of Science data source. Best Regards, SCImago Team

# ThangNguyen 2 years ago

Dear, Editorial Board!

Our paper was published in the Journal of Physics: Conference Series, 11/2019. But now, we cannot find it on site Scopus.com. Question to you: is this paper was included in the scopus database or not?

Thank you very much!

reply



# Melanie Ortiz 2 years ago

SCImago Team

Dear Thang,

thank you for contacting us.

Sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.

Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff , so they could inform you more deeply. Best Regards, SCImago Team

# T tamara 2 years ago

we participate in 2nd international conference and our paper was published in journal of physics: conference series ,2019

I ask: did this journal stay in rank Q3 in 2019.

reply



#### Melanie Ortiz 2 years ago

SCImago Team

Dear Tamara, the publication of articles referring to 2019 is not over yet (we are in December), and much less it has been possible to cite unpublished articles. The 2019 indicators will not be available until June 2020. We cannot see what will happen in the future with this journal.Best Regards, SCImago Team

# S Sri Wahyuningsih 2 years ago

Dear, The Editorial Board,

I have a publication in Journal of Physics: Conference Series. But I have a problem, because my name in the journal is wrong. Is it possible to fix it?

Thank you for your attention

Best regards

reply



# Melanie Ortiz 2 years ago

SCImago Team

Dear Sri,

thank you for contacting us.

Sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.

Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff , so they could inform you more deeply. Best Regards, SCImago Team

## J Jnana Ranjan Senapati 2 years ago

I have a publication in Journal of Physics: conference series. Whether it will be considered as a journal or conference proceeding?

reply

#### A ahmed abed 2 years ago

dear Jnana Ranjan Senapati as shown in in the Publication type (upper the page) it is JOURNAL

SCImago Team



#### Melanie Ortiz 2 years ago

Dear Jnana,

thank you for contacting us.

Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff, so they could inform you more deeply.

Best Regards, SCImago Team

# A Archana Varsoliwala 2 years ago

Dear, Editorial Board.

This "Journal of Physics: Conference Series" is classified as 'Journal' or 'Conference Proceeding'? I am confused about this. So kindly reply and try to remove my confusion.

Thank you.

Regards,

reply

# MD SARFARAZ ALAM 2 years ago

Dear Archana Varsoliwala

I have checked on the SCOPUS website and got the result JPCS will consider as a Journal. You can also check this information in this link: https://www.scopus.com/sources.uri

Regard

Md. Sarfaraz Alam Research Scholar IIT Guwahati (India)

Melanie Ortiz 2 years ago

SCImago Team

Dear Archana,

You can see the Publication type just above. Best Regards, SCImago Team

#### Minetaka Sugiyama 3 years ago

Dear Ms. Elena Corera,

I am sorry to ask you such a basic question but only some papers in Journal of Physics conference series can be found in PubMed.

Is it possible to search and see other papers in PubMed?

Sincerely yours, Minetaka Sugiyama

reply

#### Igor V. Bogachkov 3 years ago

I see my papers (Journal of Physics: Conference Series, 2018, v. 1015) in "Web of Sc.", but cannot see ISI or Quartile in WoS! Q3 is only Scopus, or WoS too?

- 1. Bogachkov I. V. Detection of initial level of Brillouin frequency shift in optical fibres of different types // Journal of Physics: Conference Series, 2018, v. 1015 (2018). pp. 1 6. DOI: 10.1088/1742-6596/1015/2/022004 WOS:0004469520000004 (ISSN: 1742-6588)
- 2. Bogachkov I. V., Lutchenko S. S. Reliability assessment of fiber optic communication lines depending on external factors and diagnostic errors // Journal of Physics: Conference Series, 2018, v. 1015 (2018). pp. 1 7. DOI: 10.1088/1742-6596/1015/2/022005 WOS:000446952000005 (ISSN: 1742-6588)

Wait your answer, best regards.



SCImago Team

Dear Minetaka,

thank you very much for your comment. Unfortunately, we cannot help you with your request, we suggest you contact journal's editorial staff so they could inform you more deeply. You can find contact information in SJR website https://www.scimagojr.com

Anyway, if there is any user who has already published in the journal, maybe could help us with your request.

Best Regards, SCImago Team

# W Wahyu Widada 3 years ago

Dear The Editorial Board, Please provide information, why is Volume 1088 incomplete uploaded? Thank you.

reply



#### Elena Corera 3 years ago

SCImago Team

Dear Wahyu Widada,

thank you very much for your comment. Unfortunately, we cannot help you with your request, we suggest you contact journal's editorial staff so they could inform you more deeply. You can find contact information in SJR website https://www.scimagojr.com

Best regards, SCImago Team



# Mohammad Faizal bin Hassan 3 years ago

Dear, Editorial Board.

This "Journal of Physics: Conference Series" is classified as 'Journal' or 'Conference Proceeding'? I am a little bit confused about this, as my university recognize this as a Conference Proceeding (not Journal), but SCImago (see 'Publication type' above) classified it as a Journals.

Your clarification is highly appreciated.

Thank you.

Regards,

Mohammad Faizal Postgraduate Student (PhD) Universiti Putra Malaysia (UPM) Malaysia

reply

#### MD SARFARAZ ALAM 2 years ago

Dear Mohammad Faizal bin Hassan

I have checked on the SCOPUS website and got the result JPCS will be considered as a Journal. You can also check this information SCOPUS website in this link:

https://www.scopus.com/sources.uri

Regard

Md. Sarfaraz Alam Research Scholar IIT Guwahati (India)



Melanie Ortiz 2 years ago

SCImago Team

Thanks for your participation! Best Regards, SCImago Team



Elena Corera 3 years ago

SCImago Team

Dear Mohammad, SJR is a portal with scientometric indicators of journals indexed in Scopus. SJR has no authority over the data of the journals; they are the ones that Scopus sends us. So we have informed Scopus of the changes you are proposing and we will wait for the response to update the data of your journal. Best Regards, SCImago Team

S sunarti 3 years ago

hello

how about the price if i want to submit in this journal?

reply



Elena Corera 3 years ago

SCImago Team

thank you very much for your comment, unfortunately we cannot help you with your request. We suggest you look for author's instructions in the journal's website.

Best Regards,

Dear Sunarti,

SCImago Team

| Ikhlasul Ardi Nugroho 3 years ago

Dear The Editorial Board,

My Director Assistance said that Journal of Physics: conference series is not a reputated journal

but a proceeding. Is that correct?

Thank you for your explanation

Best regards

Ikhlasul ardi nugroho Post graduate Yogyakarta State University

reply



# Pavel D. Terekhov 3 years ago

Yes, JPCS is a journal for proceedings publications of different international conferences over the world.



#### Elena Corera 3 years ago

thank you very much for your comment. You can use our data to analyze the journal. It has been in Q3 for years and the value of the SJR has been decreasing over the years. Best Regards,

SCImago Team

SCImago Team

Dear Ikhlasul,

#### Leave a comment

Name

#### Email

(will not be published)

I'm not a robot	
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	reCAPTCHA
	Privacy - Terms

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The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

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#### **PAPER • OPEN ACCESS**

# Indonesian Language Teachers' Attitudes toward ICT Utilization in Learning for Elementary School in Surakarta

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View the <u>article online</u> for updates and enhancements.



**1254** (2019) 012062 doi:10.1088/1742-6596/1254/1/012062

# **Indonesian Language Teachers' Attitudes toward ICT** Utilization in Learning for Elementary School in Surakarta

# K Saddhono<sup>1</sup>, I Mulyaningsih<sup>2</sup>, I K Sudarsana<sup>3</sup>, and R T Manurung<sup>4</sup>

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Abstract. The study deals with Indonesian language teachers' attitude toward ICT utilization in learning for the elementary school in Surakarta. It also investigates the relationship of attitudes and teachers' knowledge and the relationship of attitudes and teachers' skill toward ICT utilization in learning. Moreover, it also attempts to find out teachers' attitudes toward ICT utilization in accordance with school categories and ICT training. There were 150 Indonesian language teachers from 15 elementary schools in Surakarta, including eight state schools and seven private schools. The data obtained were then analyzed by SPSS version 12.0 program. The result shows that Indonesian language teachers' attitudes toward ICT utilization in learning are positive. However, teachers' knowledge and skills still at the beginner level. Besides, it also shows that there are no significant differences in teachers' attitudes toward ICT utilization in learning related to school categories. Nevertheless, there is a significant difference between Indonesian language teachers' who had attended ICT training and who had never been.

## 1. Introduction

Globalization is one of the ideologies on cultural, social and political changes resulted from information and communication (ICT) development. In this context, globalization affects to construct the concepts of a world without obstacles, information liberalization, global education and behavior changes [1]. ICT has given great influences on educational system changes in developing country like Indonesia. By technology development, knowledge about ICT will promote Indonesia to become an established and competitive country which is appropriate with globalization and technology era. Revolution of information results from ICT development which improves teachers' knowledge and needs to be utilized on increasing teachers' profession prestige because it keeps changing in the 21st century [2]. Teachers' and schools roles are required for development in research related to ICT.

Consequently, developing country needs more teachers who have skill in using ICT. Training for teachers is also needed to change the paradigm and to construct competent teachers in teaching as well as to create society and country. A quality teaching and learning process and variation of media can be

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<sup>&</sup>lt;sup>4</sup>Universitas Kristen Maranatha, Bandung, Indonesia

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achieved by utilizing the computer and its software, networking system, internet system, etc. [3]. Learning media usage considerably can increase and stimulate students' interest in this internet era and has been considered and recognized as magnetism in the teaching and learning process [4].

In this information age, a ministry of education and culture (Kemendikbud) has introduced computers in most the schools in Indonesia. It begins when a new curriculum, known as Kurikulum 2013 (K-13), is implemented. This results in learning based ICT implementation. A new paradigm of education in the ICT era needs teachers' involvement actively on using technology in the learning process. In consequence, technology development has changed teaching and learning model to be more innovative and creative [5]. By current technology development and ICT application in teaching, teachers expectedly comprehend ICT for education. Teaching and learning Indonesia language for elementary schools need changes and innovations comprehensively. Indonesian language teachers must be innovative and not be out of date [6].

Attitude toward computer is one of three factors determining teachers' understanding of computer usage. Zulkifli dan Maznah finds that positive teachers' attitudes are important to encourage students to learn something [7]. Hence, attitude and awareness are the best way to predict one's commitment to computer usage. The positive attitude and strong belief toward ICT contribute to skill development process on ICT implementation during teaching and learning process in class.

This study aims to know Indonesian language teachers' attitudes toward ICT utilization in learning for the elementary school in Surakarta. Teachers' attitudes toward computer or ICT are one of three factors contributing to teachers' competence in computer usage, except computer characteristics and essential skill in computer usage.

#### 2. Metode

The study was conducted in elementary schools in Surakarta to know Indonesian language teachers' attitudes toward ICT utilization in a learning process. There were 100 questions for teachers and then processed through the SPSS program (Statistical Package for Social Science version 12.0). The study also employed a questionnaire as an instrument in obtaining the data. Hence, data analysis was more comfortable to conduct [8]. The survey utilized in this study has been modified from Fairose.

The Samples were 150 teachers of Indonesian language subject with the employment purposive sampling techniques. Besides, 80 teachers from the state school and 70 teachers of private schools in Surakarta are selected as respondents.

Tabel 1. List of elementary schools in Surakarta as a resarch object

Ma	Name of Cahaal	Catagory
No	Name of School	Category
1	SDN Banyuagung 1	State
2	SDN Banyuanyar 1	State
3	SDN Kandangsapi	State
4	SDN Mojosongo 2	State
5	SDN Nusukan	State
6	SDN Bibis Wetan	State
7	SDN Tegalkuniran	State
8	SDN Petoran	State
9	SD Kanisius Pucangsawit	Private
10	SD Ta'Mirul Islam	Private
11	SD Muhammadiyah 5	Private
12	SD Muhammadiyah 15	Private
13	SD Islam Diponegoro	Private
14	MIS Al-Islam Jamsaren	Private
15	SD Kastriyan	Private

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SDN = State elementry school

SD = Private elemetary school

MIS = Private islamic elementary school

The data obtained were then analyzed by using the SPSS program (Statistical Package for Social Science version 17.0). The analysis dealt with descriptive statistic and inference data. Descriptive statistic was used to analyze respondents' profiles, questionnaire toward teachers, knowledge and skills of Indonesian language teachers toward ICT usage in a learning process. Min. score is used to formulate respondents' follow-up related to a questionnaire. Interpretation parameters about Indonesian language teachers' attitudes in using ICT for learning can be classified as positive if min. a score is shown as the following table.

**Table 2.** Min. Score Interpretation of Teachers' Attitudes

Minimum score	Status
1.00 - 1.99	Low
2.00 - 2.99	Enough
3.00 - 3.99	Medium
4.00 - 5.00	High

#### 3. Discussion

The result shows that Indonesian language teachers' attitudes toward ICT usage in the learning process are good, that is in between medium and high. There are differences of Indonesian language teachers' attitudes who had attended ICT training and had never been trained. The experience of ICT training changes their attitudes toward ICT usage in teaching and learning process. Teachers have a high interest in ICT usage and are willing to use it in teaching and learning process

Statements of a questionnaire, in this section, contain ten questions related to respondents' attitude of ICT usage in Indonesian language learning. They are shown in table 3. According to table 3, Indonesian language teachers' attitudes toward ICT usage in the learning process are at the high level, with minimum score 4.00-5.00. This indicates that respondents give positive attitudes toward ICT usage. The result also shows that 8 of 10 statements are highly responded. However, the rest shows a medium level. Based on table 3, the min. The score of high level refers to the need for ICT training to increase teachers' skill.

Table 3. Min Analysis of Indonesian Language Teachers' Attitudes toward the Use of ICT

No.	Statement	Α	D	AB
1	I like to take ICT training to improve competence	142	8	0
2	I support ICT-based learning	148	0	2
3	I believe the use of ICT can enhance the learning process	145	5	0
4	I like to use the internet in search of learning material	139	11	0
5	I have implemented ICT-based learning well	135	15	0
6	I am motivated to use ICT in education	145	4	1
7	I always use ICT in learning in class	132	16	2
8	ICT training helps me in teaching ICT-based in class	144	6	0
9	ICT-based teaching is more complicated than education as usual	4	146	0
10	I am more confident when teaching ICT in class	140	10	0

A: Agree AB: Absence D: Disagree

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Based on the analysis of Indonesian Language Teachers' attitudes towards the use of ICT in Indonesian language learning, the following data were obtained. In point 1, 142 teachers felt happy to take part in ICT training while 8 teachers disagreed because they thought that it was not enough to enjoy, but it must be accompanied by a follow-up of the next activity that is integrating the results of training in comprehensive Indonesian learning. In point 2 about support for ICT-based education that can improve the quality of learning, almost all teachers agreed on this matter with the total of 148 teachers, whereas the two teachers chose not to answer. At point 3, 145 teachers were convinced that the use of ICT could improve the learning process while 5 teachers disagreed with that. Teachers who liked the internet as a means to find teaching materials were 139 teachers while 11 people do not want to search for teaching materials through the internet. Point 5 about the implementation of ICT-based learning as many as 135 teachers stated that they had used ICT well while 15 teachers felt it was not optimal. In point 6, teachers who felt motivated to use ICT in learning were 145 while the teachers who disagreed four people and who did not answer was one person. For point 7, the majority of teachers had used ICT in teaching as many as 135 teachers who had not implemented it with 13 teachers and who did not answer were two people. ICT training was also able to help teachers while teaching in class as evidenced by a questionnaire that 144 teachers agreed with it. Teachers also had the notion that using ICT did not complicate and harden the teaching process for teachers, namely 146 teachers were convinced. The existence of ICT was also able to increase confidence for teachers when teaching in class. A questionnaire proved this that 142 agreed with this. With the results of the survey, it was proven that ICT had a positive influence on the teacher in the learning process.

Based on the result, it can be concluded that Indonesian language teachers who had never attended ICT training have a negative attitude toward ICT usage in the learning process. It is supported by Waryono who explained that teachers and students who cooperated one another in learning based ICT were able to improve learning achievement, but knowledge without ICT didn't show right enough quality [9]. Zulkifli and Maznah stated that teachers who have no experiences on using computer usually have negative attitudes [10]. It also supported by Summer in Christensen who suggested that one of the leading causes why teachers have negative attitudes toward computer is the lack of knowledge and experiences [11]. Most of teachers who didn't use the computer is that because they are not confident on or afraid of using computer. Moreover, Becker and Watt said that negative attitudes of teacher resulted from teachers' comfort with learning they usually conducted, known as traditional learning, and teachers' difficulty to adapt information technology development [12]. The study conducted by Becker and Watt has been supported by Norin who proposed that most of the experienced teachers had mindset about learning process which they are interested in [13]. Besides, Padraig & Mark found that there are 35%-40% junior high school teachers clarifying that they never used the computer in a learning process in or out of school [14].

Indonesian language teachers who had never been attended ICT must be trained about knowledge and skills on using ICT through ICT training proposed by schools and government. This is similar to Fuad who imposed that the willingness to master and to use ICT comprehensively in the learning process requires two changes on teachers [15]. First, teachers have to believe that there are many positive benefits on using ICT in a learning process. Second, teachers need enough skills to use ICT devices well and effectively. Moreover, Albion suggested that one of an ideal way to improve teachers' competences on using ICT is by providing ICT training [16].

#### 4. Conclusion

So all the way around, the result of the study shows that teachers of Indonesian language for an elementary school in Surakarta have positive attitudes toward ICT usage in the learning process. It also indicates that Indonesian language teachers have less knowledge and skill in using ICT. This results in low-level ICT usage. Ministry education and culture and related institutions altogether have to cope with those problems because if they are not trained and has no competences in using ICT, Indonesian language teachers will be left behind. The more concrete way is that teachers with no knowledge and skills about ICT must collaborate in ICT training. School categories concerning state

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and private do not show any problems. We need to pay attention to suburb schools in which their infrastructures, facilities and human resources still show in a small amount. Besides, Indonesian language teachers also have to take own initiative to improve knowledge and skills on ICT and to apply it in a learning process.

#### References

- [1] Mwakisole K F, Kissaka M M, and Mtebe J S 2018 Feasibility of cloud computing implementation for eLearning in secondary schools in Tanzania. International Journal of Education and Development using Information and Communication Technology (IJEDICT) 14 1 pp 91-102
- [2] Mekki K et al. 2018 A comparative study of LPWAN technologies for large-scale IoT deployment. KICS ICT Express pp 2405-9595
- [3] Munir 2009Kontribusi Teknologi Informasi Dan Komunikasi (TIK) Dalam Pendidikan di Era Globalisasi Pendidikan Indonesia. Jurnal Pendidikan Teknologi Informasi dan Komunikasi 2.
- [4] Rahim M Y 2011 Pemanfaatan ICT sebagai Media Pembelajaran dan Informasi pada UIN Alauddin Makassar. Jurnal Sulesana **6** 2 pp 129-135
- [5] Saddhono K. 2015 Integrating Culture in Indonesian Language Learning for Foreign Speakers at Indonesian Universities. Journal of Language and Literature 6 2 pp349-353
- [6] Marsudi 2009 Jati Diri Bahasa Indonesia di Era Globalisasi Teknologi Informasi. JSH Jurnal Sosial Humaniorah **2** 2 pp 133-148
- [7] Manaf Z A and Hussain R M R 1994 Attitudes, knowledge and previous computer experience of teacher trainees in the Diploma of Education Programme at the University of Malaya. Journal of Educational Research 16 pp 1-19
- [8] Shamsudin F 2006 Sikap guru-guru Bahasa Melayu terhadap penggunaan teknologi maklumat dan komunikasi (ICT) dalam pengajaran. Projek Penyelidikan Sarjana Pendidikan Bangi Universiti Kebangsaan Malaysia
- [9] Waryono A 2009 Pembelajaran Berbasis ICT dengan Metode Evaluasi Presentasi untuk Meningkatkan Prestasi Belajar Inspeksi dan Pengujian Benda Tuang Siswa Kelas III Teknik Pengecoran Logam SMK Negeri 2 Klaten Tahun 2008/2009. Jurnal DIDAKTIKA 1
- [10] Manaf Z A and Hussain R M R 1994 Attitudes, knowledge and previous computer experience of teacher trainees in the Diploma of Education Programme at the University of Malaya. Journal of Educational Research 16 pp 1-19
- [11] Christensen R 1997 Effect of technology integration education on the attitudes of teachers and their studies. Doctoral Dissertation (University of North Texas: Denton)
- [12] Becker W E and Watts M 1996 Chalk and talk: A national survey on teaching undergraduate economics. American Economic Review 86 2 pp 448-453
- [13] Mustaffa N 2004 Kemahiran, masalah dan Chap penggunaan komputer dalam kalangan guru sekolah bestari negeri Perak. Projek Penyelidikan Sarjana Pendidikan Bangi Universiti Kebangsaan Malaysia
- [14] Wims P and Lawler M 2007 Investing in ICTs in educational in developing countries: An evaluation of their impact in Kenya. International Journal of Education and Development using Information and Communication Technology (IJEDICT) 3 1 pp 5-22
- [15] Othman A F 2003 Pendidik dan pendidikan di era digital: Pendekatan dan cabarannya Wawasan: Pusat Sumber Pendidikan Negeri Kedah Bil 17 Bi 1
- [16] Albion P R 1999 Self efficacy beliefs as an indicator of teachers' preparedness for teaching with technology. Association for the Advancement of Computing in Education