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Publication of Scholar in Universitas Pendidikan Indonesia: Bibliometric Analysis using Scopus Database

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ABSTRACT

Universitas Pendidikan Indonesia (UPI) is one of the best universities in Indonesia, mainly focusing on education. This research aims to analyze the development of UPI's scholarly publications in the national and international ranks. To support the analysis, we used a bibliometric analysis method, taking data from the Indonesian Science and Technology Index (SINTA and Scopus database. UPI occupies the 16th position based on the SINTA ranking and the 17th position based on the Scopus database ranking. Currently, UPI has 58 journals indexed by SINTA and 3 journals indexed by Scopus. The research results showed that over the last five years, the number of UPI publications has evolved both in national and international rank. We also showed the rank of UPI in Indonesia, as well as its current research subjects based on the Scopus database. UPI continues to show significant progress in scientific publications at the international level. This not only shows the raising of UPI's brand but also expresses the contribution of UPI scholars to the development of science globally. This is also confirmed by the fact that UPI has conducted research and publications at Scopus, collaborating with more than 106 countries and more than 150 different affiliates in the world

1. Introduction

Education is the process of learning knowledge, skills, and habits of a group of people that are passed on from one generation to the next through teaching, training, and research [1]. It is also defined as a conscious effort to create a teaching and learning atmosphere that suits the potential of students [2]. Both inside and outside school, education functions to develop and shape students' character and abilities. In pursuing education, there are several levels of education that students must take, starting from elementary school to university.

One of the final levels of education is college or university. Higher education is not only a means of gaining knowledge and insight but also a means of welcoming a better future [3]. Colleges or universities have a very important role in society. These institutions function as centers of scientific

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and technological development, places where research and innovation continue to develop. Additionally, colleges provide higher education that prepares individuals for a variety of professions and careers, helping them acquire specific skills needed in the world of work.

Currently, there is a lot of research that discusses and analyzes the development of a college or university, including interventions to deal with stress in university students [4], analysis of universities as a source of commercial technology from 1965 to 1988 [5], analysis of university ranking systems [6], and research on strategic development and SWOT analysis at the University of Warwick [7]. However, based on previous research, there has been no research that discusses the development of publications at universities through bibliometric analysis.

Based on our previous reports regarding our university [8], this research aims to analyze the development of Universitas Pendidikan Indonesia (UPI) publications on a national and international scale. This research took the subject of the UPI to analyze the development of university publications through bibliometric analysis. Bibliometric analysis is one of the effective methods to understand the current trend of research, as shown in previous studies (see Table 1).

Table 1
Previous studies on bibliometric analysis (published in 2023-2024)

No	Author(s)	Title	Ref.
1	Utama, D.M., Santoso, I., Hendrawan, Y., and Dania, W.A.P.	Sustainable Production-inventory model with multi-material, quality degradation, and probabilistic demand: From bibliometric analysis to a robust model	[9]
2	Sahidin, I., Nohong, N., Manggau, M.A., Arfan, A., Wahyuni, W., Meylani, I., Malaka, M.H., Rahmatika, N.S., Yodha, A.W.M., Masrika, N.U.E., Kamaluddin, A., Sundowo, A., Fajriah, S., Asasutjarit, R., Fristiohady, A., Maryanti, R., Rahayu, N.I., and Muktiarni, M.	Phytochemical profile and biological activities of ethylacetate extract of peanut (Arachis hypogaea L.) stems: In-vitro and in-silico studies with bibliometric analysis	[10]
3	Hamidah, I., Ramdhani, R., Wiyono, A., Mulyanti, B., Pawinanto, E.E., Hasanah, L., Diantoro, M., Yuliarto, B., Yunas, J., and Rusydi, A.	Biomass-based supercapacitors electrodes for electrical energy storage systems activated using chemical activation method: A literature review and bibliometric analysis.	[11]
4	Arianingrum, R., Aznam, N., Atun, S., Senam, S., Irwan, A.R., Juhara, N.Q., Anisa, N.F., and Devani, L.K.	Antiangiogenesis activity of Indonesian local black garlic (Allium Sativum 'Solo): Experiments and bibliometric analysis.	[12]
5	Rahmat, A., Sutiharni, S., Elfina, Y., Yusnaini, Y., Latuponu, H., Minah, F.N., Sulistyowati, Y., and Mutolib, A.	Characteristics of tamarind seed biochar at different pyrolysis temperatures as waste management strategy: experiments and bibliometric analysis.	[13]
6	Abduh, A., Mulyanah, A., Darmawati, B., Zabadi, F., Sidik, U., Handoko, W., Jayadi, K., and Rosmaladewi, R.	The compleat lextutor application tool for academic and technological lexical learning: Review and bibliometric approach.	[14]
7	Juhanaini, J., Bela, M.R.W.A.T., and Rizqita, A.J.	How eyes and brain see color: Definition of color, literature review with bibliometric analysis, and inquiry learning strategy for teaching color changes to student with mild intelligence barriers.	[15]
8	Mardina, P., Wijayanti, H., Juwita, R., Putra, M.D., Nata, I.F., Lestari, R., Al-Amin, M.F., Suciagi, R.A., Rawei, O.K., and Lestari, L.	Corncob-derived sulfonated magnetic solid catalyst synthesis as heterogeneous catalyst in the esterification of waste cooking oil and bibliometric analysis.	[16]
9	Solihah, P.A., Kaniawati, I., Samsudin, A., and Riandi, R.	Prototype of greenhouse effect for improving problem-solving skills in science, technology, engineering, and mathematics (STEM)-education for sustainable	[17]

No	Author(s)	Title	Ref.
		development (ESD): Literature review, bibliometric, and experiment.	
10	Yang, W., Chookhampaeng, C., and Chano, J.	Spatial visualization ability assessment for analyzing differences and exploring influencing factors: Literature review with bibliometrics and experiment	[18]
11	Angraini, L.M., Susilawati, A., Noto, M.S., Wahyuni, R., and Andrian, D.	Augmented reality for cultivating computational thinking skills in mathematics completed with literature review, bibliometrics, and experiments for students	[19]
12	Nurramadhani, A., Riandi, R., Permanasari, A., and Suwarma, I.R.	Low-carbon food consumption for solving climate change mitigation: Literature review with bibliometric and simple calculation application for cultivating sustainability consciousness in facing sustainable development goals (SDGs)	[20]
13	Imaniyati, N., Ramdhany, M.A., Rasto, R., Nurjanah, S., Solihah, P.A., and Susilawati, A.	Neuroscience intervention for implementing digital transformation and organizational health completed with literature review, bibliometrics, and experiments.	[21]
14	Amida, N., Nahadi, N., Supriyanti, F.M.T., Liliasari, L., Maulana, D., Ekaputri, R.Z., and Utami, I.S.	Phylogenetic analysis of Bengkulu citrus based on DNA sequencing enhanced chemistry students' system thinking skills: Literature review with bibliometrics and experiments.	[22]
15	Kadir, A., Istadi, I., Subagio, A., Waluyo, W., and Muis, A.	The ship's propeller rotation threshold for coral reef ecosystems based on sediment rate indicators: Literature review with bibliometric analysis and experiments.	[23]
16	Shafiq, D.A., Al-Obaidi, A.S.M., Gunasagaran, S., and Mari, T.S.	Empowering engineering female students to improve retention and progression: A program evaluation study completed with bibliometric analysis.	[24]
17	Shidiq, A.P.A.	Bibliometric analysis of nano metal-organic frameworks synthesis research in medical science using VOSviewer.	[25]
18	Nandiyanto, A.B.D., Fiandini, M., and Al Husaeni, D.N.	Research trends from the scopus database using keyword water hyacinth and ecosystem: A bibliometric literature review.	[26]
19	Lizama, M.G., Huesa, J., and Claudio, B.M.	Use of blockchain technology for the exchange and secure transmission of medical images in the cloud: Systematic review with bibliometric analysis.	[27]
20	Al Husaeni, D.F., Haristiani, N., Wahyudin, W., and Rasim, R.	Chatbot artificial intelligence as educational tools in science and engineering education: A literature review and bibliometric mapping analysis with its advantages and disadvantages.	[28]
21	Al Husaeni, D.F., Al Husaeni, D.N., Nandiyanto, A.B.D., Rokhman, M., Chalim, S., Chano, J., Al Obaidi, A.S.M., and Roestamy, M.	How technology can change educational research? Definition, factors for improving quality of education and computational bibliometric analysis.	[29]
22	Laita, M., Sabbahi, R., Elbouzidi, A., Hammouti, B., Messaoudi, Z., Benkirane, R., and Aithaddou, H.	Effects of sustained deficit irrigation on vegetative growth and yield of plum trees under the semi-arid conditions: Experiments and review with bibliometric analysis.	[30]
23	Al Husaeni, D.N., and Nandiyanto, A.B.D.	Bibliometric analysis of high school keyword using VOSviewer indexed by google scholar	[31]
24	Zafrullah, Z., and Ramadhani, A.M.	The use of mobile learning in schools as a learning media: Bibliometric analysis	[32]
25	Kongsaenkham, A., and Chano, J.	Bibliometric analysis using VOSviewer with Publish or Perish of role-play in the teaching and learning.	[33]
26	Farokhah, L., Herman, T., Wahyudin, W., and Abidin, Z.	Global research trends of mathematics literacy in elementary school: A bibliometric analysis.	[34]
27	Al Husaeni, D.F., and Munir, M.	Literature review and bibliometric mapping analysis: Philosophy of science and technology education	[35]

No	Author(s)	Title	Ref.
28	Pramanik, P.D., and Rahmanita, M.	Strengthening the role of local community in developing countries through community-based tourism from education perspective: Bibliometric analysis.	[36]
29	Rasuman, M.A., Nandi, N., Astari, A.J., and Ashie, A.B.	Trends and networks in education for sustainable development (ESD): A bibliometric analysis using vosviewer.	[37]
30	Tungtawee, C., and Chano, J.	Bibliometric analysis using VOSviewer with Publish or Perish of curriculum evaluation using the CIPP model.	[38]
31	Muktiarni, M., Nur Indri Rahayu, Affero Ismail, and Amalia Kusuma Wardani	Bibliometric computational mapping analysis of trend metaverse in education using vosviewer.	[39]
32	Nandiyanto, Asep Bayu Dani, Dwi Fitria Al Husaeni, and Dwi Novia Al Husaeni	Introducing ASEAN Journal for Science and Engineering in Materials: Bibliometric Analysis.	[40]
33	Nandiyanto, Asep Bayu Dani, Dwi Novia Al Husaeni, and Dwi Fitria Al Husaeni	Introducing ASEAN Journal of Science and Engineering: A bibliometric analysis study	[41]
34	Nandiyanto, Asep Bayu Dani, Dwi Fitria Al Husaeni, and Dwi Novia Al Husaeni	Social impact and internationalization of "Indonesian Journal of Science and Technology	[42]
35	Nandiyanto, Asep Bayu Dani, Dwi Novia Al Husaeni, Dwi Fitria Al Husaeni, Ida Hamidah, Bunyamin Maftuh, and M. Solehuddin.	Is universitas pendidikan indonesia ready for internationalization? A bibliometric analysis in the science and technology-related publications	[43]
36	Muktiarni, M., Rahayu, N. I., Nurhayati, A., Bachari, A. D., & Ismail, A.	Concept of Computational Fluid Dynamics Design and Analysis Tool for Food Industry: A Bibliometric	[44]
37	Rachmat, B., Agust, K., Rahayu, N. I., & Muktiarni, M.	Concept of Computational Fluid Dynamics and Its Application in Sport Science: Bibliometric Analysis of Modelling Thermal Comfort in Sport Hall	[45]
38	Nandiyanto, Asep Bayu Dani, Risti Ragadhita, and Muhammad Aziz.	Involving particle technology in computational fluid dynamics research: A bibliometric analysis.	[46]

2. Methodology

The research method used a bibliometric analysis. The keyword used was "Universitas Pendidikan Indonesia". Article data was processed and analyzed quantitatively based on the principles of bibliometric analysis. The research data source was taken from the SINTA database (https://sinta.kemdikbud.go.id/) and Scopus (https://www.scopus.com). Data was taken on 22 May 2024. Data processing in the form of tables, images, figures, curves, or diagrams was created using the Microsoft Excel application. Detailed information in the bibliometric is shown elsewhere [47].

3. Results dan Discussion

3.1. History of the Universitas Pendidikan Indonesia

Based on https://tekkom.upi.edu/sejarah-upi/ taken on May 2024, The UPI was founded on 20 October 1954 in Bandung, inaugurated by the Minister of Teaching and Education, Prof. Mr. Muhammad Yamin, S.H., originally called the Teacher Education College (PTPG). It was founded against the historical background of the nation's growth, realizing that efforts to educate and educate the nation are an important part of achieving independence. Several reasons for establishing PTPG include:

(i) After Indonesia achieved independence, the Indonesian people were very hungry for education.
(ii) It is necessary to prepare qualified and university-level teachers to improve the quality of education which will pioneer the realization of a prosperous society.

UPI's main building started from the ruins of a villa called Villa Isola, a former building left over from before World War II. During the struggle against colonialism, this building was used as the

headquarters of freedom fighters. The rubble was rebuilt and then transformed into a building called Bumi Siliwangi which is magnificent with its original architectural style. This is where young people received training for teacher education at the university level for the first time, as a realization of the Decree of the Minister of Education, Teaching and Culture of the Republic of Indonesia (Number 35742 dated 1 September 1954 concerning the establishment of PTPG/Teacher Education College).

Initially, PTPG was led by a Dean who supervised several departments and/or centers, namely Educational Sciences, Physical Sciences, Indonesian Language and Literature, English Language and Literature, Cultural History, Natural Sciences, Economics and State Law, and the Educational Research Institute. In line with the Decree of the Minister of Education, Teaching and Culture No. 40718/S at that time, which stated that PTPG could stand alone as a college or college within a university, then along with the establishment of Padjadjaran University (UNPAD), on November 25 1958 PTPG was integrated into the main faculty of Padjadjaran University with the name Faculty of Teacher Training and Education. Education Science (FKIP).

To strengthen the teacher and education staff procurement system, various courses that existed at that time, namely B I and B II teacher education, were integrated into FKIP through the Decree of the Minister of Education and Culture Number 6 of 1961. Subsequently, FKIP developed into FKIP A and FKIP B. At the same time, the Teacher Education Institute (IPG) was also established, which resulted in dualism in teacher education institutions. To eliminate this dualism, on 1 May 1963, Presidential Decree Number 1 of 1963 was issued, which merged FKIP and IPG to become the Teacher Training and Education Institute (IKIP) as the only university-level teacher education institution. FKIP A/FKIP B and IPG in Bandung eventually became the Bandung Institute for Teacher Training and Education (IKIP Bandung).

At that time, IKIP Bandung had five faculties, namely the Faculty of Education, Social Sciences Teaching Faculty, Literature and Arts Teaching Faculty, Exact Sciences Teaching Faculty, and Engineering Sciences Teaching Faculty. The need for teachers is increasingly urgent, as is the growing desire to improve and equalize the abilities of teachers. This encouraged IKIP Bandung to open extensions, between 1967 and 1970 IKIP Bandung opened extensions in almost all districts in West Java. The role of IKIP Bandung at the national level has become increasingly prominent, after the government determined that IKIP Bandung became the IKIP Pembina which was entrusted with the task of developing several IKIPs outside Java, namely IKIP Bandung, Banda Aceh, Palembang, Palangkaraya and Banjarmasin Branches. Following the policy of the P and K Department, in the early 1970s, the extension was gradually closed and IKIP branches in the regions became faculties within the universities in their respective regions. To improve the quality of teaching staff, in 1970 IKIP Bandung opened a Doctoral Post program through the establishment of the PPS Post-Doctoral Education Institute (LPPD) which manages Master's and Doctoral Programs. In 1976 the LPPD was renamed the Postgraduate School, in 1981 it changed to the Postgraduate Faculty, and in 1991 it became the Postgraduate Program (PPS) and changed again to the Postgraduate School (SPs) in 2000.

The arrangement of higher education programs carried out by the government by implementing multiprograms and multistratums was followed up by IKIP Bandung by opening the Education Diploma Program. To improve the qualifications of elementary school teachers to become D II graduates, in the 1990/1991 academic year, the D II Elementary School Teacher Education Program was held. Apart from being held at the Bumi Siliwangi Campus, this program is also held at the Program Implementation Unit (UPP) at several former SPG schools that are integrated into IKIP. To improve the qualifications of kindergarten or playgroup teachers, in 1996/1997 IKIP Bandung opened the D II PGTK Program.

In line with government policy in the field of higher education which provides an expanded mandate for Educational Personnel Education Institutions (LPTK) which must be able to keep up with

changing demands and anticipate all future possibilities, IKIP Bandung was changed to the Universitas Pendidikan Indonesia (UPI) through Presidential Decree No. 124 of 1999 dated 7 October 1999 [48]. To expand its reach in supporting national development, UPI must be able to stand alone and take part. This determination fosters confidence in the abilities he already has. Starting in 2004, based on Government Regulation Number 6 of 2004, UPI was given autonomy and became a BHMN university. In 2012, UPI's status was returned to being a state university (official language: universities organized by the government) based on Presidential Regulation Number 43 of 2012.

On 28 February 2014, UPI changed to a State University as a legal entity, based on the Republic of Indonesia Government Regulation Number 15 of 2014, concerning the Statute of the Indonesian University of Education. The development and improvement of UPI is not only oriented towards the academic field but also in various fields, including strengthening its concepts and development plans. Through the assistance of the Islamic Development Bank (IDB), UPI designed and organized the construction of a magnificent, modern, and representative campus building to support teaching and learning activities. Capitalizing on the capabilities possessed by the Indonesian University of Education, it is determined to make this educational institution a leading one and become a Leading and Outstanding University.

3.2. Publication Development of the Universitas Pendidikan Indonesia

Figure 1 shows the number of latest publications owned by UPI and recorded on the SINTA page (see https://sinta.kemdikbud.go.id/affiliations/profile/414). Based on the data shown in Figure 1, it is known that from 2009 to 2020 the number of UPI publications continued to increase. The increase in the number of publications from previously around 13 articles in 2009 became 1370 articles in 2020. Meanwhile, the number of UPI publications decreased in 2021 with a total of 1044 articles and 2022 with a total of 809 articles. The increase in the number of publications occurred again in 2023, namely 900 articles, although this increase has not yet reached the maximum number of articles in 2020. The condition of UPI publications in 2024 is still relatively small since this article was updated in May 2024, namely only around 176 articles.

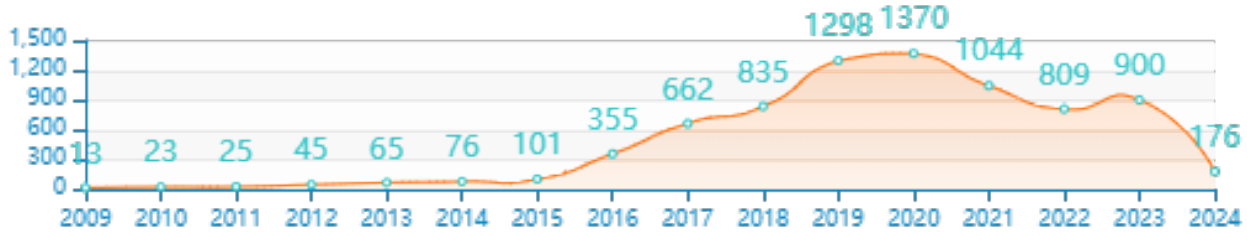
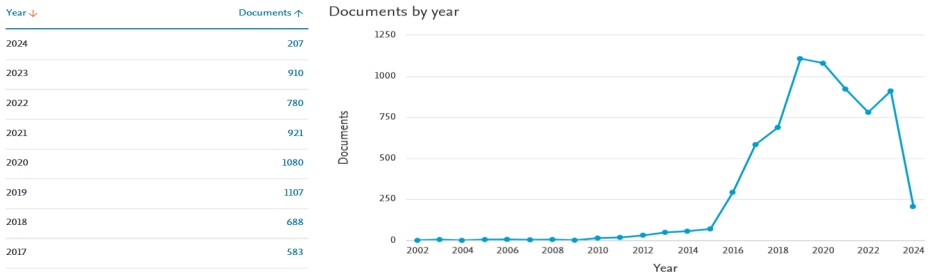


Fig. 1. Latest number of publications UPI by SINTA.

We also analyzed UPI research developments through the Scopus page. Figure 2 shows the development of UPI publications on Scopus. Not much different from the data presented by SINTA, the development of UPI publications in Scopus also experienced a significant increase from 2002 to 2019 and a decrease in the number of publications from 2020 to 2024. UPI publications in Scopus had a peak point with the highest number of publications, namely in 2020. 2019 with a total of 1107 publications. Meanwhile, the number of UPI publications in Scopus over the last five years is 207 publications in 2024, 910 publications in 2023, 780 publications in 2022, 921 publications in 2021, and 1080 publications in 2020.



Year	Documents
2024	207
2023	910
2022	780
2021	921
2020	1080
2019	1107
2018	688
2017	583

Fig. 2. Latest number of publications UPI by Scopus.

Based on the two data on the development of UPI publications above, it is known that over the last five years, the number of UPI publications has evolved both on a national and international scale when compared to the previous year. However, the data above shows differences in the concentration of UPI publication scales over the last 2 years. From 2023, the number of UPI publications on Scopus is greater, compared to the number of UPI publications on SINTA. This shows that UPI continues to show significant progress in scientific publications on the international stage. This achievement is reflected in the increase in the number of articles published in journals of global reputation (Scopus). The strategic efforts undertaken by UPI, including research collaboration with foreign institutions and improving the quality of human resources through training and workshops, have played an important role in advancing its academic reputation in the eyes of the world. This not only raises UPI's good name but also contributes to the development of science globally.

3.3. State of the National Publication of the Indonesian Education University

Based on data from the Science and Technology Index (SINTA), which is an online scientific page or port managed by the Indonesian Ministry of Education, Culture, Research and Technology (Kemendikbud Ristek) which is used to present a list of accredited national journals, the Indonesian University of Education (UPI) occupies the position to 16. Figure 3 shows the UPI profile listed on the SINTA Indonesia page (see https://sinta.kemdikbud.go.id/affiliations/profile/414). UPI has 1679 researchers consisting of 174 departments. On the date this article was updated, namely 22 May 2024, UPI had an overall SINTA Score of 982,898 and for the last 3 years, it had a SINTA score of 428,265. Meanwhile, UPI's own SINTA productivity score is around 654. Currently, UPI has 58 SINTA indexed journals with details of 3 SINTA 1 indexed journals, 7 SINTA 2 indexed journals, 25 SINTA 3 indexed journals, 16 SINTA 4 indexed journals, 6 SINTA 5 indexed journals, and 1 journal indexed by SINTA 6. Table 2 shows the journals at UPI that have been indexed by SINTA.

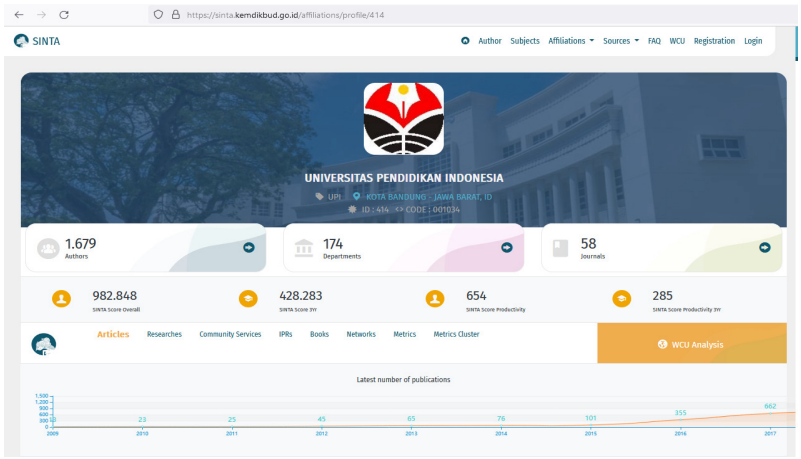


Fig. 3. UPI profile page on SINTA.

Table 2
List of UPI SINTA Journals

No	Title Journal	Predicate	Subject Area	Journal Link
1	Indonesian Journal of Science and Technology	SINTA 1 (scopus)	Science, Social	http://ejournal.upi.edu/index.php/ijost/
2	ASEAN Journal of Science and Engineering (AJSE)	SINTA 1 (scopus)	Science, Agriculture, Engineering	https://ejournal.upi.edu/index.php/AJSE
3	Indonesian Journal of Applied Linguistics (IJAL)	SINTA 1 (scopus)	Education	http://ejournal.upi.edu/index.php/IJAL
4	International Journal of Education	SINTA 2	Humanities, Science, Education, Art, Social	http://ejournal.upi.edu/index.php/ije
5	Jurnal Aset (Akuntansi Riset)	SINTA 2	Economy	http://ejournal.upi.edu/index.php/aset
6	Alsuniyat: Jurnal Penelitian Bahasa, Sastra, Dan Budaya Arab	SINTA 2	Language, literature, Arabic	https://ejournal.upi.edu/index.php/alsuniyat
7	Jurnal Pendidikan Jasmani Dan Olahraga	SINTA 2	Health, Education	https://ejournal.upi.edu/index.php/penjas/index
8	Mimbar Sekolah Dasar	SINTA 2	Education	http://ejournal.upi.edu/index.php/mimbar/index
9	Jurnal Pengajaran MIPA	SINTA 2	Science, Teaching, Education	https://ejournal.upi.edu/index.php/jpmipa/index
10	Journal of Science Learning	SINTA 2	Science, Education	http://ejournal.upi.edu/index.php/jslearning
11	Review of Islamic Economics and Finance	SINTA 3	Economic, Finance	https://ejournal.upi.edu/index.php/rief
12	Jurnal Riset Akuntansi Dan Keuangan	SINTA 3	Economy	http://ejournal.upi.edu/index.php/JRAK
13	Image: Jurnal Riset Manajemen	SINTA 3	Economy, Management	http://ejournal.upi.edu/index.php/image
14	Historia: Jurnal Pendidik Dan Peneliti Sejarah	SINTA 3	History, Education	http://ejournal.upi.edu/index.php/historia/index
15	Eduhumaniora: Jurnal Pendidikan Dasar	SINTA 3	Humanities, Education, Art	http://ejournal.upi.edu/index.php/eduhumaniora
16	Journal of Indonesian Tourism, Hospitality and Recreation	SINTA 3	Humanities, Tourism	https://ejournal.upi.edu/index.php/Jithor/index
17	Cakrawala Dini: Jurnal Pendidikan Anak Usia Dini	SINTA 3	Education	http://ejournal.upi.edu/index.php/cakrawaladini/issue/archive
18	Tegar: Journal of Teaching Physical Education in Elementary School	SINTA 3	Education, Humanities, Health	https://ejournal.upi.edu/index.php/tegar/issue/view/2112
19	Jurnal Geografi Gea	SINTA 3	Geography	http://ejournal.upi.edu/index.php/gea
20	Jurnal Penelitian Pendidikan	SINTA 3	Education	http://ejournal.upi.edu/index.php/JER/issue/archive
21	Jurnal Pendidikan Keperawatan Indonesia	SINTA 3	Education, Health	http://ejournal.upi.edu/index.php/JPKI/index
22	JPIS (Jurnal Pendidikan Ilmu Sosial)	SINTA 3	Education, Social	http://ejournal.upi.edu/index.php/jpis
23	Jurnal Pendidikan Bahasa dan Sastra	SINTA 3	Education	http://ejournal.upi.edu/index.php/BS_JPBSP
24	Tarbawy: Indonesian Journal of Islamic Education	SINTA 3	Education	https://ejournal.upi.edu/index.php/tarbawy
25	Jomsign: Journal of Multicultural Studies in Guidance and Counseling	SINTA 3	Education	http://ejournal.upi.edu/index.php/JOMSIGN

No	Title Journal	Predicate	Subject Area	Journal Link
26	Japanedu: Jurnal Pendidikan Dan Pengajaran Bahasa Jepang	SINTA 3	Humanities, Education, Art	http://ejournal.upi.edu/index.php/japanedu/
27	Wahana Fisika: Jurnal Fisika Dan Terapannya	SINTA 3	Science	http://ejournal.upi.edu/index.php/wafi/index
28	Journal of Business Management Education (JBME)	SINTA 3	Economy, Business	http://ejournal.upi.edu/index.php/JBME
29	Jurnal Terapan Ilmu Keolahragaan	SINTA 3	Health, Education, Social	http://ejournal.upi.edu/index.php/JTIKOR/index
30	Jurnal Pendidikan Manajemen Perkantoran (JPMANPER)	SINTA 3	Management	http://ejournal.upi.edu/index.php/jpmanper/issue/archive
31	Francisola: Revue Indonesienne De La Langue Et La Litterature Francaises	SINTA 3	Language, literature	http://ejournal.upi.edu/index.php/FRANCISOLA
32	Mimbar Pendidikan: Jurnal Indonesia Untuk Kajian Pendidikan	SINTA 3	Education	http://ejournal.upi.edu/index.php/mimbardik/
33	Journal of Business Management Education (JBME)	SINTA 3	Education, Economy, Business	http://ejournal.upi.edu/index.php/JBME
34	Jurnal Terapan Ilmu Keolahragaan	SINTA 3	Health, Education, Social	http://ejournal.upi.edu/index.php/JTIKOR/index
35	Indonesian Journal of Teaching in Science	SINTA 4	Education, Social	https://ejournal.upi.edu/index.php/IJoTis
36	Indonesian Journal of Community and Special Needs Education (IJCSNE)	SINTA 4	Humanities, Education, Social	https://ejournal.upi.edu/index.php/IJCSNE
37	Indonesian Journal of Multidiciplinary Research (IJOMR)	SINTA 4	Education, Social, Engineering	https://ejournal.upi.edu/index.php/IJOMR
38	Indonesian Journal of Primary Education	SINTA 4	Education	http://ejournal.upi.edu/index.php/IJPE
39	Assimilation: Indonesian Journal of Biology Education	SINTA 4	Biology, Education	http://ejournal.upi.edu/index.php/asimilasi
40	Jurnal Arsitektur Zonasi	SINTA 4	Architectural	https://ejournal.upi.edu/index.php/jaz
41	Lokabasa	SINTA 4	Language, literature	https://ejournal.upi.edu/index.php/lokabasa/issue/archive
42	Strategic: Jurnal Pendidikan Manajemen Bisnis	SINTA 4	Education, Business	http://ejournal.upi.edu/index.php/strategic
43	Edubasic Journal: Jurnal Pendidikan Dasar	SINTA 4	Education	https://ejournal.upi.edu/index.php/edubasic
44	Jurnal Administrasi Pendidikan	SINTA 4	Education	http://ejournal.upi.edu/index.php/JAPSPs/index
45	Journal of Architectural Research and Education	SINTA 4	Architectural, Education	http://ejournal.upi.edu/index.php/JARE
46	The International Journal of Business Review (The Jobs Review)	SINTA 4	Business	http://ejournal.upi.edu/index.php/thejobsreview
47	Manajerial: Jurnal Manajemen Dan Sistem Informasi	SINTA 4	Management	http://ejournal.upi.edu/index.php/manajerial
48	Edutech: Jurnal Teknologi Pendidikan	SINTA 4	Education, Technology	http://ejournal.upi.edu/index.php/edutech
49	Jurnal Ilmu Manajemen Dan Bisnis	SINTA 4	Management, Business	http://ejournal.upi.edu/index.php/mdb
50	Journal of Architectural Research and Education	SINTA 4	Architectural, Education	http://ejournal.upi.edu/index.php/JARE
51	Edsence: Jurnal Pendidikan Multimedia	SINTA 5	Education	http://ejournal.upi.edu/index.php/Edsence

No	Title Journal	Predicate	Subject Area	Journal Link
52	Jurnal Civicus	SINTA 5	Education	https://ejournal.upi.edu/index.php/civicus
53	Edukids: Jurnal Pertumbuhan, Perkembangan, Dan Pendidikan Anak Usia Dini	SINTA 5	Education	https://ejournal.upi.edu/index.php/edukid/index
54	International Journal Pedagogy of Social Studies	SINTA 5	Social	http://ejournal.upi.edu/index.php/pips
55	Sosietas	SINTA 5	Education, Social	http://ejournal.upi.edu/index.php/sosietas
56	Edufortech	SINTA 5	Education	https://ejournal.upi.edu/index.php/edufortech
57	Edukids: Jurnal Pertumbuhan, Perkembangan, Dan Pendidikan Anak Usia Dini	SINTA 5	Humanities, Education, Social	https://ejournal.upi.edu/index.php/edukid/index
58	Jurnal PAUD Agapedia	SINTA 6	Education	http://ejournal.upi.edu/index.php/agapedia

3.4. State of the International Publication of the Universitas Pendidikan Indonesia

Based on Scopus data as shown in Figure 4, UPI is in 17th position with a total of 6842 Scopus-indexed documents and 4016 authors (see https://www.scopus.com/pages/organization/60103797#). Meanwhile, UPI's position in educational institutions and educational staff (as known as LPTK) in Indonesia is based on data presented in Scopus as shown in Table 3, UPI Bandung occupies 1st position, followed by Malang State University (UM), Yogyakarta State University (UNY), Surabaya State University (Unesa), and Semarang State University (Unnes).

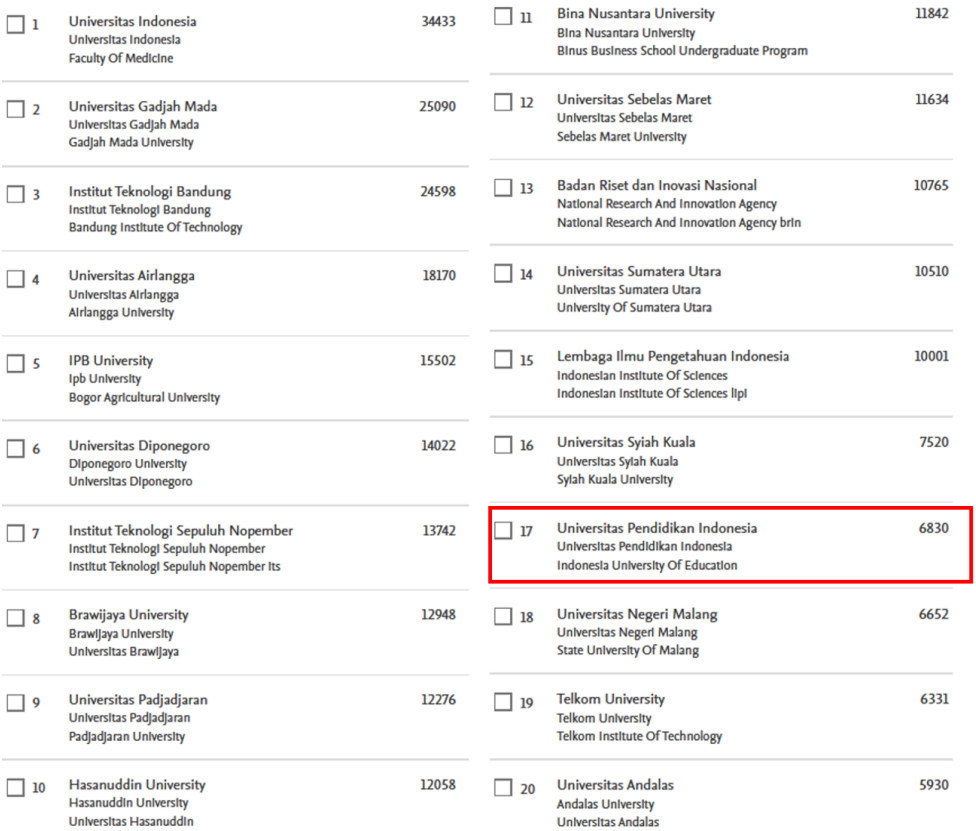


Fig. 4. UPI predicate in Scopus

Table 3
UPI position in Indonesian LPTK from Scopus

No	LPTK name	Number of Scopus Documents	Ranking in Scopus
1	UPI	6834	17
2	UM Malang	6658	18
3	UNY Yogyakarta	4512	24
4	Unesa Surabaya	3924	31
5	Unnes Semarang	3891	26
6	UNJ Jakarta	3438	29
7	UNP Padang	2841	34
8	UNM Makassar	1753	47
9	Unimed Medan	1432	56
10	Undiksha Bali	944	76
11	UNG Gorontalo	817	85
12	Unima Manado	59	361

3.5. Publication Collaboration Carried out by Universitas Pendidikan Indonesia

In conducting research and publications on Scopus, UPI has collaborated with various countries in the world as shown in Figure 5. Currently, UPI has collaborated with 106 countries in the world. The countries that have collaborated on Scopus publications with UPI are Malaysia, Japan, China, Australia, India, South Korea, United States, Turkey, Saudi Arabia, United Kingdom, Thailand, Taiwan, Singapore, Pakistan, Russian Federation, Netherlands, Germany, Iraq, United Arab Emirates, France, Nigeria, Iran, Philippines, Canada, Mexico, Portugal, New Zealand, Brunei Darussalam, Viet Nam, South Africa, Spain, Poland, Bangladesh, Brazil, Chile, Ghana, Hong Kong, Italy , Morocco, Slovakia, Croatia, Hungary, Romania, Sweden, Bulgaria, Colombia, Uganda, Austria, Egypt, Estonia, Finland, Kenya, Switzerland, Czech Republic, Jordan, Qatar, Argentina, Denmark, Israel, Peru, Serbia, Bosnia and Herzegovina, Norway, Palestine, Zimbabwe, Greece, Lithuania, Slovenia, Ukraine, Algeria, Belgium, Bolivia, Cyprus, Georgia, Latvia, Senegal, Sri Lanka, Botswana, Ethiopia, Fiji, Kazakhstan, Lebanon, Nepal, North, Macedonia, Papua New Guinea, Tanzania, Armenia, Azerbaijan, Bahrain, Cambodia, Ecuador, Kiribati, Laos, Macao, Malawi, Mauritania, Mongolia, Montenegro, Namibia, Timor-Leste, Uruguay, Uzbekistan, and Yemen.

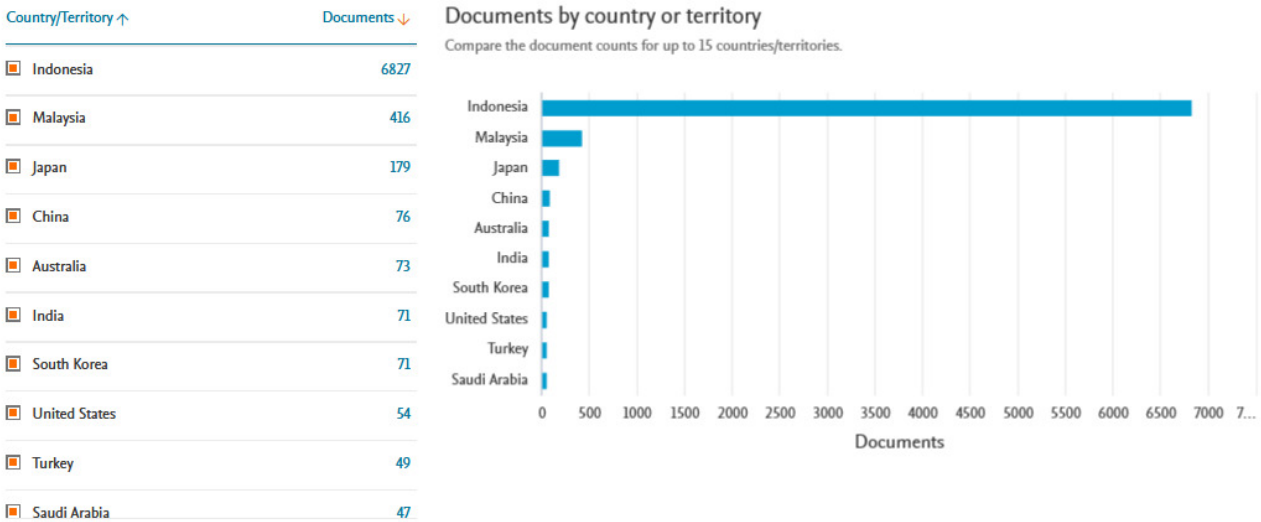


Fig. 5. UPI Publication Collaboration with Other Countries by Scopus

From UPI's various collaborations with various countries in writing and publishing articles on Scopus, UPI succeeded in producing 150 collaborations with various affiliates including the Bandung Institute of Technology, Padjadjaran University, UIN Sunan Gunung Djati, Jakarta State University, Sultan Ageng Tirtayasa University, Research and Innovation Agency National, Yogyakarta State University, Malang State University, Sebelas Maret University, Padang State University, Universiti Kebangsaan Malaysia, Universiti Teknologi MARA, Indonesian Computer University, Gadjah Mada University, University of Riau, Hiroshima University, The University of Nottingham Malaysia Campus, Universiti Sains Malaysia , University of Indonesia, Syiah Kuala University, Indonesian Institute of Sciences, IPB University, Diponegoro University, Universiti Teknologi Malaysia, Medan State University, Universiti Malaysia Pahang Al-Sultan Abdullah, Universiti Malaya, Bandung Islamic University, Telkom University, Semarang State University, University Surabaya State, Lambung Mangkurat University, Sultan Idris Education University, Ahmad Dahlan University, Pasundan University, Lampung University, Tadulako University, Institute of Microengineering and Nanoelectronics (IMEN), Pakuan University, Sriwijaya University, Widyatama University, Open University, and so on. Complete data on UPI collaboration with various affiliates in the world can be seen in Table 4.

Table 4
UPI Collaborating organizations

No	Organization	Doc.	No	Organization	Doc.	No	Organization	Doc.
1	Institut Teknologi Bandung	401	51	Universitas Djuanda	21	101	Xiamen University	12
2	Universitas Padjadjaran	152	52	Universitas Kristen Maranatha	20	102	University of Zagreb	12
3	UIN Sunan Gunung Djati	97	53	Bina Nusantara University	19	103	Shinshu University	12
4	Universitas Negeri Jakarta	84	54	Universitas Islam Negeri Syarif Hidayatullah Jakarta	19	104	Universitas Andalas	12
5	Universitas Sultan Ageng Tirtayasa	83	55	Universitas Negeri Makassar	19	105	Al-Ayen Iraqi University, AUIQ	12
6	Badan Riset dan Inovasi Nasional	82	56	Universitas Sam Ratulangi	19	106	Universitas Tanjungpura	12
7	Universitas Negeri Yogyakarta	77	57	Sampoerna University	19	107	Universitas Muhammadiyah Purwokerto	12
8	Universitas Negeri Malang	72	58	Universitas Muhammadiyah Prof. Dr. HAMKA	19	108	Universitas PGRI Sumatera Barat	12
9	Universitas Sebelas Maret	63	59	Khalifa University of Science and Technology	18	109	Chinese University of Hong Kong	11
10	Universitas Negeri Padang	63	60	Universiti Teknologi PETRONAS	18	110	University of Warwick	11
11	Universiti Kebangsaan Malaysia	61	61	Wenzhou University	18	111	Curtin University	11
12	Universiti Teknologi MARA	59	62	Brawijaya University	18	112	University of Nigeria	11
13	Universitas Komputer Indonesia	59	63	Xiamen University Malaysia	18	113	Saveetha School of Engineering	11

No	Organization	Doc.	No	Organization	Doc.	No	Organization	Doc.
14	Universitas Gadjah Mada	55	64	Universitas Bengkulu	18	114	Universitas Halu Oleo	11
15	Universitas Riau	55	65	Universitas Islam Negeri Ar-Raniry	18	115	State University of Gorontalo	11
16	Hiroshima University	48	66	Universitas Garut	18	116	Universitas Muhammadiyah Makassar	11
17	The University of Nottingham Malaysia Campus	48	67	Universitas Siliwangi	18	117	Universitas Muhammadiyah Sidoarjo	11
18	Universiti Sains Malaysia	47	68	STKIP Muhammadiyah Kuningan	18	118	Universitas PGRI Madiun	11
19	Universitas Indonesia	46	69	Universiti Utara Malaysia	17	119	Universitas PGRI Adi Buana Surabaya	11
20	Universitas Syiah Kuala	46	70	Universitas Kanjuruhan Malang	17	120	Universitas Wiralodra	11
21	Lembaga Ilmu Pengetahuan Indonesia	43	71	Universitas Langlangbuana	17	121	National University of Singapore	10
22	IPB University	42	72	Universitas Swadaya Gunung Djati	17	122	University of Wollongong	10
23	Universitas Diponegoro	42	73	King Saud University	16	123	Kyung Hee University	10
24	Universiti Teknologi Malaysia	39	74	Institute of Biological Sciences	16	124	Tartu Ülikool	10
25	Universitas Negeri Medan	38	75	The University of Kitakyushu	16	125	Universiti Malaysia Terengganu	10
26	Universiti Malaysia Pahang Al-Sultan Abdullah	37	76	Politeknik Negeri Bandung	16	126	Universiti Malaysia Sarawak	10
27	Universiti Malaya	34	77	Universitas Islam Riau	16	127	Jiujiang University	10
28	Universitas Islam Bandung	34	78	Institut Keguruan dan Ilmu Pendidikan Siliwangi	16	128	Universitas Indraprasta PGRI	10
29	Telkom University	33	79	Saveetha Institute of Medical and Technical Sciences	15	129	Biomolecular and Biomedical Research Center	10
30	Universitas Negeri Semarang	33	80	Hasanuddin University	15	130	Faculty of Engineering	10
31	Universitas Negeri Surabaya	33	81	Universitas Pendidikan Ganesha	15	131	Universität Zürich	9
32	Universitas Lambung Mangkurat	33	82	Universitas Singaperbangsa Karawang	15	132	Université de Strasbourg	9
33	Universiti Pendidikan Sultan Idris	32	83	Institut Agama Islam Negeri Syekh Nurjati Cirebon	15	133	Akdeniz Üniversitesi	9
34	Universitas Ahmad Dahlan	31	84	Kanazawa University	14	134	Japan Advanced Institute of Science and Technology	9

No	Organization	Doc.	No	Organization	Doc.	No	Organization	Doc.
35	Universitas Pasundan	31	85	Kangwon National University	14	135	Universitas Sumatera Utara	9
36	Universitas Lampung	29	86	Institute of Industrial Science	14	136	Université Mohammed Premier Oujda	9
37	Universitas Tadulako	29	87	School of Chemistry, Chemical Engineering and Biotechnology	14	137	Al-Nisour University College	9
38	Institute of Microengineering and Nanoelectronics (IMEN)	28	88	Universiti Brunei Darussalam	14	138	Indonesia Defense University	9
39	Pakuan University	28	89	Taylor's University Malaysia	14	139	Universitas Islam Negeri Raden Fatah Palembang	9
40	Universitas Sriwijaya	26	90	Universiti Sultan Zainal Abidin	14	140	Universitas Kuningan	9
41	Universitas Widyatama	25	91	Universitas PGRI Semarang	14	141	Politeknik TEDC Bandung	9
42	Universitas Terbuka	25	92	Universitas Muhammadiyah Tasikmalaya	14	142	Universitas Siliwangi	9
43	Yıldız Teknik Üniversitesi	24	93	Universitas Suryakancana	14	143	Universitas Subang	9
44	Universiti Tun Hussein Onn Malaysia	24	94	STKIP Bima	14	144	Yeungnam University	8
45	Universitas Khairun	24	95	Universiteit Utrecht	13	145	Pécsi Tudományegyetem	8
46	Nanyang Technological University	23	96	Universitas Airlangga	13	146	Curtin University, Malaysia	8
47	The University of Tokyo	22	97	Universitas Mulawarman	13	147	Universitas Muhammadiyah Tangerang	8
48	Institut Teknologi Sepuluh Nopember	22	98	Universitas Sarjanawiyata Tamansiswa	13	148	Universitas Majalengka	8
49	Institut Pendidikan Indonesia	22	99	Universitas Galuh	13	149	Universitas Katolik Indonesia Santu Paulus Ruteng	8
50	Badan Tenaga Nuklir Nasional Indonesia	21	100	Monash University	12	150	Universitas Nurtanio	8

3.6. Subject Trends Publication in Universitas Pendidikan Indonesia

In conducting its research, UPI is involved in 27 subject areas, namely Physics and Astronomy, Social Sciences, Engineering, Computer Science, Materials Science, Environmental Science, Arts and Humanities, Business, Management and Accounting, Earth and Planetary Sciences, Mathematics, Medicine, Chemical Engineering, Chemistry, Biochemistry, Genetics and Molecular Biology, Economics, Econometrics and Finance, Agricultural and Biological Sciences, Energy, Health

Profession, Decision Sciences, Psychology, Multidisciplinary, Pharmacology, Toxicology and Pharmaceutics, Nursing, Immunology and Microbiology, Dentistry, Neuroscience, and Veterinary. Meanwhile, the subject trend of UPI researchers based on Scopus data is shown in Figure 6.

Based on the data presented in Figure 6, it is known that from a total of 6842 Scopus UPI documents, the research subject trends with the highest number of documents are Physics and Astronomy 22.1%, Social science 15.7%, Engineering 14.4%, computer science 6.7%, materials science 6%, environmental science 4.5%, arts and humanities 3.7%, business, management, and accounting 3.5%.

Subject area	Documents
Physics and Astronomy	2,442
Social Sciences	1,739
Engineering	1,597
Computer Science	741
Materials Science	660
Environmental Science	493
Arts and Humanities	407
Business, Management and Accounting	383
Earth and Planetary Sciences	372
Mathematics	310

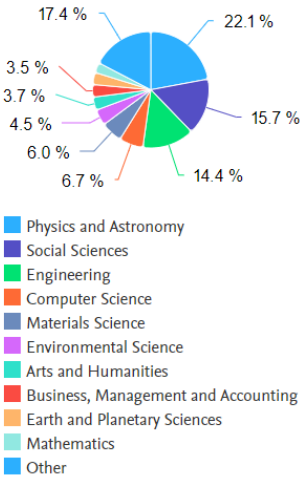


Fig. 6. Subject trends in UPI by Scopus

3.7. Types of Publications on Universitas Pendidikan Indonesia

Figure 7 shows the types of UPI publications based on data provided by Scopus. Based on the data, it is known that UPI has 3590 articles of the conference paper type, 3041 of the journal article type, 93 reviews, 69 book chapters, 13 editorials, 9 notes, 7 letters, 4 data papers, 4 errata, and 3 books.

Document type	Documents
Conference Paper	3590
Article	3041
Review	93
Book Chapter	69
Editorial	13
Note	9
Letter	7
Data Paper	4
Erratum	4
Book	3

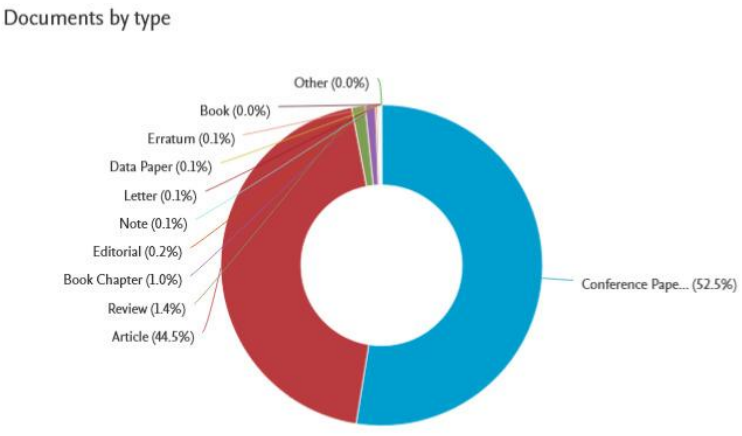


Fig. 7. Type of publication on UPI by Scopus

Figure 8 shows the development of UPI publications in journals and conference proceedings from 2020 to 2024. Evolution of the type of publication has been found, in which UPI moves from publication in proceedings to article journals. In 2020 the number of UPI journal articles was less than the number of proceedings-type articles. However, from 2021 to 2022 the number of proceedings-type articles experienced a very significant decline. This is inversely proportional to the number of UPI journal articles which increase from 2021 to 2023. Different from other universities in developing countries, in 2023, UPI's publications reached more than 60% in article journals. It seems that there is a moving-on mindset among UPI scholars. Indeed, this also shows that UPI has better quality in research.

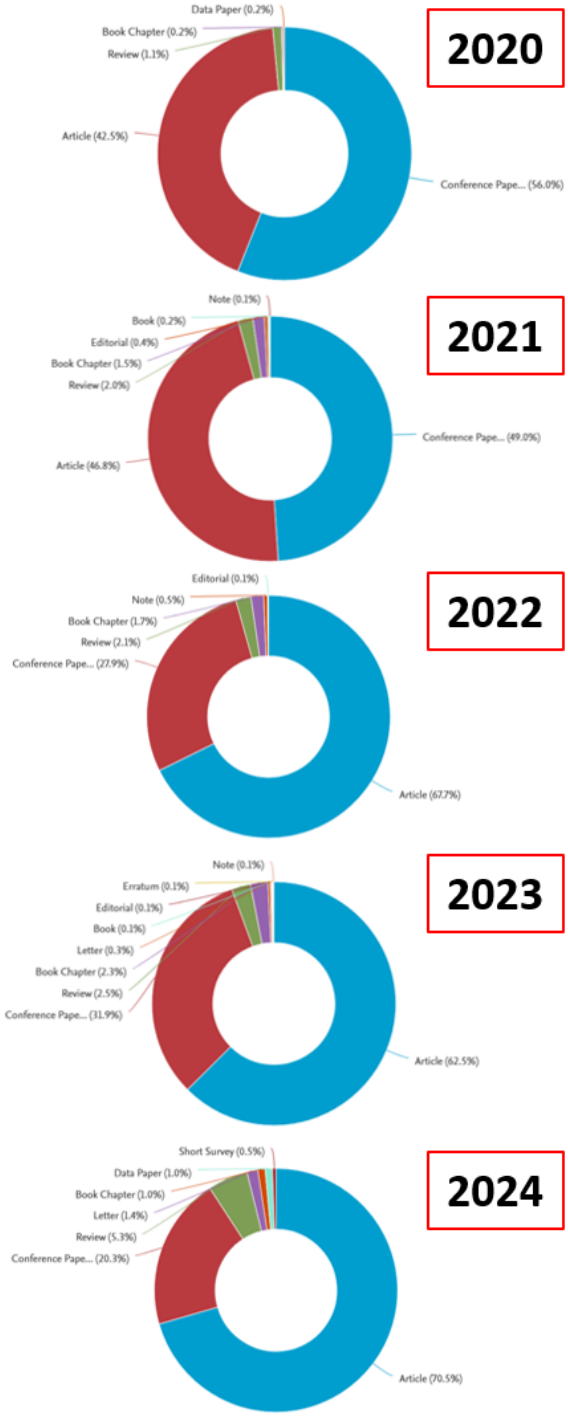


Fig. 8. Evolution of UPI publication type

3.8. Author of the Best Scientific Work at Universitas Pendidikan Indonesia

Table 5 shows a list of the best authors of articles without proceedings over the last five years. 55 UPI-affiliated authors having more than 35 documents in the last 5 years are included in the list of the best authors in articles without proceedings, including Nandiyanto, A.B.D., Samsudin, A., Juandi, D., Suhandi, A., Herman, T., Prabawanto, S., Suryadi, D., Abdullah, A.G., Ragadhita, R., Kaniawati, I., Setiawan, A., Rusdiana, D., Mulyanti, B., Permanasari, A., Khoerunnisa, F., Widodo, A., Hasanah, L., Munawaroh, H.S.H., Sopandi, W., Komariah, A., and others (see Table 5). The 10 best writers are Nandiyanto with 243 documents, Samsudin, A. with 154 documents, Juandi, D. with 115 documents, Suhandi, A. with 106 documents, Herman, T. with 104 articles, Prabawanto, S. with 104 documents, Suryadi, D. with 104 articles, Abdullah, A. G., with 98 documents, Ragadhita with 90 documents, and Kaniawati, I., with 89 documents.

Table 5
List of the best author in articles without proceedings (last 5 years)

No	Author's name	Number of Documents
1	Nandiyanto, A.B.D.	243
2	Samsudin, A.	154
3	Juandi, D.	115
4	Suhandi, A.	106
5	Herman, T.	104
6	Prabawanto, S.	104
7	Suryadi, D.	104
8	Abdullah, A.G.	98
9	Ragadhita, R.	90
10	Kaniawati, I.	89
11	Setiawan, A.	72
12	Rusdiana, D.	71
13	Mulyanti, B.	66
14	Permanasari, A.	66
15	Khoerunnisa, F.	65
16	Widodo, A.	63
17	Hasanah, L.	59
18	Munawaroh, H.S.H.	59
19	Sopandi, W.	58
20	Komariah, A.	56
21	Hamidah, I.	55
22	Widiaty, I.	55
23	Hufad, A.	54
24	Kusumah, Y.S.	54
25	Ana, A.	53
26	Riza, L.S.	52
27	Setiawan, W.	51
28	Dahlan, J.A.	49
29	Jupri, A.	49
30	Maryanti, R.	49
31	Hurriyati, R.	48
32	Turmudi	48
33	Wahyudin	46
34	Sinaga, P.	45
35	Suhendi, E.	45
36	Darhim	44
37	Julia, J.	44

No	Author's name	Number of Documents
38	Rustaman, N.Y.	44
39	Fuada, S.	43
40	Priatna, N.	42
41	Anggraeni, S.	41
42	Gaffar, V.	41
43	Rosjanuardi, R.	41
44	Mudzakir, A.	40
45	Supriyadi, T.	40
46	Wibowo, L.A.	39
47	Siahaan, P.	38
48	Muktiarni, M.	37
49	Pawinanto, R.E.	37
50	Disman	36
51	Kadarohman, A.	36
52	Liliasari, S.	36
53	Paramita, B.	36
54	Prima, E.C.	36

3.9. Three Best Journals at Universitas Pendidikan Indonesia
3.9.1 Indonesian journal of science and technology

The Indonesian Journal of Science and Technology (IJoST) (ISSN: e.2527-8045 p.2528-1410) is an open-access and peer-reviewed journal, published by Universitas Pendidikan Indonesia, which dissemination of research results from scientists and engineers in many fields of science and technology. In 2016-2020, IJoST was issued in April and September. Since 2020, IJoST issues 3 times a year (April, September, and December). The editors welcome submissions of papers describing recent theoretical and experimental research related to (1) Theoretical articles; (2) Empirical studies; (3) Case studies; and (4) Literature Review [42].

IJoST is an open-access, peer-reviewed premier journal in its field, in which it has been engaged with universities and institutions in more than 42 countries across the world, including Algeria, Australia, Bangladesh, Belgium, Brunei Darussalam, Canada, China, Colombia, Egypt, France, Germany, Hungary, India, Indonesia, Iran, Iraq, Italy, Japan, Jordan, Malaysia, Mauritania, Morocco, Netherlands, Nigeria, Pakistan, Palestine, Mexico, Philippines, Russia Federation, Saudi Arabia, Singapore, South Africa, South Korea, Spain, Taiwan, Thailand, Turkey, Uganda, United Arab Emirates, United Kingdom, United States, and Vietnam.

Figure 9 shows IJoST's profile in Scopus, currently, IJoST is indexed Q1 with a cite score in 2022 recorded at 11.2, whereas in 2019 - 2022 it had 1456 citations and 130 documents. Meanwhile, in 2023 IJoST has a cite score of 12.2 with 1629 citations and 134 documents. IJoST has a 2022 SJR score of 1,176. Table 6 shows a list of the 20 best papers in the IJoSt journal from Scopus based on the highest number of citations.

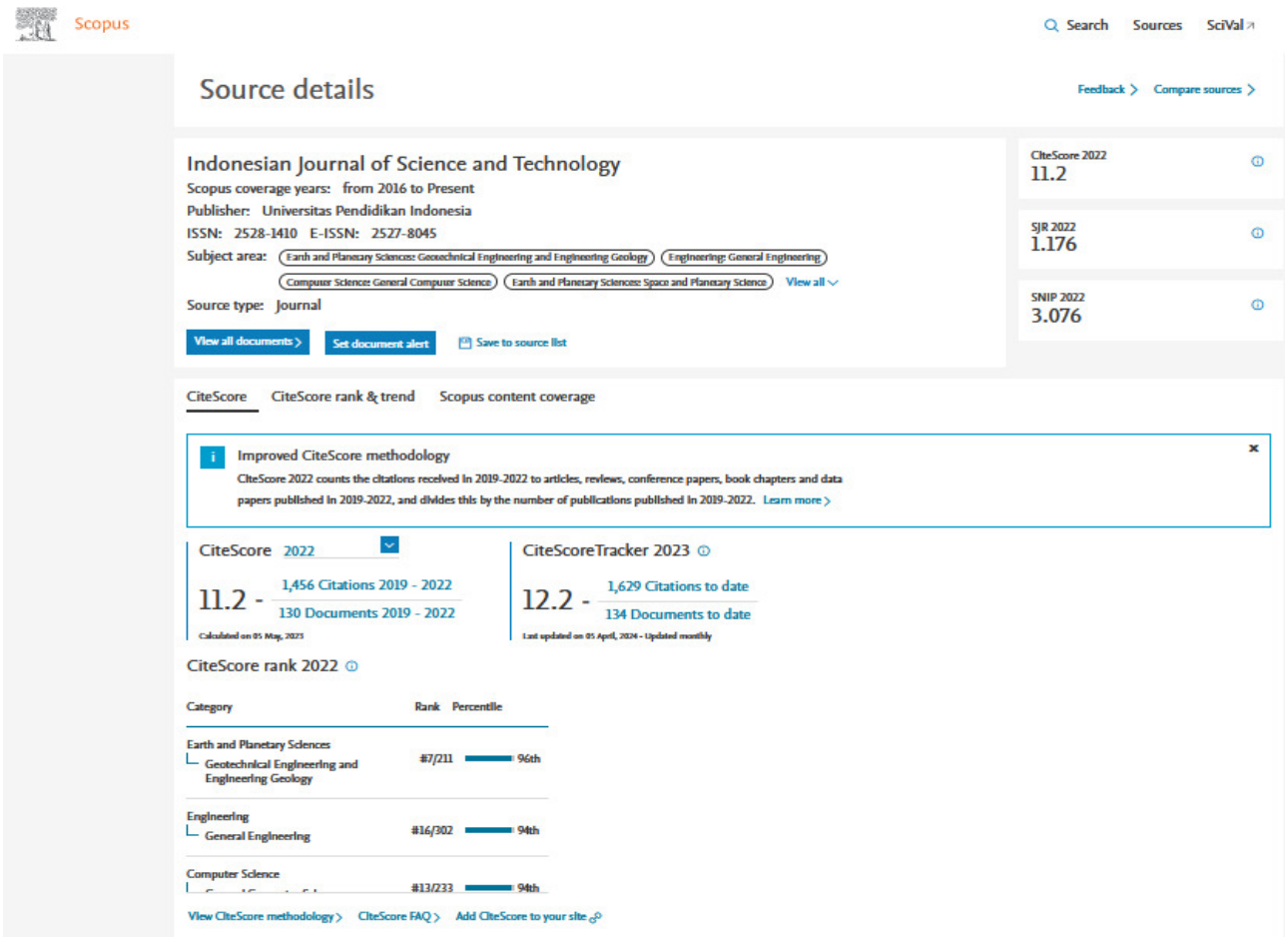


Fig. 9. IJoST profile on Scopus

Table 6
List of 20 papers with the highest number of citations in IJoST journals

No	Authors	Title	Year	Cited by	Ref
1	Nandiyanto A.B.D.; Oktiani R.; Ragadhita R.	How to read and interpret FTIR spectroscope of organic material	2019	1161	[49]
2	Hamidah I.; Sriyono; Hudha M.N.	A bibliometric analysis of COVID-19 research using vosviewer	2020	159	[50]
3	Nandiyanto A.B.D.; Biddinika M.K.; Triawan F.	How bibliographic dataset portrays decreasing number of scientific publication from Indonesia	2020	102	[51]
4	Setiyo M.; Yuvenda D.; Samue O.D.	The concise latest report on the advantages and disadvantages of pure biodiesel (B100) on engine performance: literature review and bibliometric analysis	2021	98	[52]
5	Soegoto H.; Soegoto E.S.; Luckyardi S.; Rafdhi A.A.	A Bibliometric Analysis of Management Bioenergy Research Using Vosviewer Application	2022	84	[53]
6	Permatasari N.; Sucahya T.N.; Nandiyanto A.B.D.	Review: Agricultural wastes as a source of silica material	2016	83	[54]
7	Ragadhita R.; Nandiyanto A.B.D.	How to calculate adsorption isotherms of particles using two-parameter monolayer adsorption models and equations	2021	83	[55]
8	Mulyanti B.; Purnama W.; Pawinanto R.E.	Distance learning in vocational high schools during the covid-19 pandemic in West Java province, Indonesia	2020	70	[56]
9	Ana A.	Trends in expert system development: A practicum content analysis in vocational	2020	68	[57]

No	Authors	Title	Year	Cited by	Ref
		education for over grow pandemic learning problems			
10	Mudzakir A.; Rizky K.M.; Munawaroh H.S.H.; Puspitasari D.	Oil Palm Empty Fruit Bunch Waste Pretreatment with Benzotriazolium-Based Ionic Liquids for Cellulose Conversion to Glucose: Experiments with Computational Bibliometric Analysis	2022	59	[58]
11	Nandiyanto A.B.D.; Sofiani D.; Permatasari N.; Sucahya T.N.; Wiryani A.S.; Purnamasari A.; Rusli A.; Prima E.C.	Photodecomposition profile of organic material during the partial solar eclipse of 9 March 2016 and its correlation with organic material concentration and photocatalyst amount	2016	58	[59]
12	Sangsawang T.	An instructional design for online learning in vocational education according to a self-regulated learning framework for problem solving during the covid-19 crisis	2020	57	[60]
13	Nandiyanto A.B.D.; Andika R.; Aziz M.; Riza L.S.	Working volume and milling time on the product size/morphology, product yield, and electricity consumption in the ball-milling process of organic material	2018	52	[61]
14	Khuluk R.H.; Rahmat A.; Buhani; Suharso	Removal of Methylene blue by adsorption onto activated carbon from coconut shell (Cocous Nucifera L.)	2019	51	[62]
15	Hashim S.; Masek A.; Abdullah N.S.; Paimin A.N.; Muda W.H.N.W.	Students' intention to share information via social media: A case study of COVID-19 pandemic	2020	49	[63]
16	Asmara Y.P.; Kurniawan T.; Sutjipto A.G.E.; Jafar J.	Application of plants extracts as green corrosion inhibitors for steel in concrete - A review	2018	47	[64]
17	Dirgantari P.D.; Hidayat Y.M.; Mahphoth M.H.; Nugraheni R.	Level of use and satisfaction of e-commerce customers in covid-19 pandemic period: An information system success model (ISSM) approach	2020	43	[65]
18	Sahidin I.; Nohong N.; Manggau M.A.; Arfan; Wahyuni; Meylani I.; Malaka M.H.; Rahmatika N.S.; Yodha A.W.M.; Masrik N.U.E.; Kamaluddin A.; Sundowo A.; Fajriah S.; Asasutjarit R.; Fristiohady A.; Maryanti R.; Rahayu N.I.; Muktiarni M.	Phytochemical Profile and Biological Activities of Ethylacetate Extract of Peanut (Arachis hypogaea L.) Stems: In-Vitro and In-Silico Studies with Bibliometric Analysis	2023	40	[10]
19	Anshar A.M.; Taba P.; Raya I.	Kinetic and thermodynamics studies on the adsorption of phenol on activated carbon from rice husk activated by ZnCl2	2016	40	[66]
20	Shamim S.M.; Miah M.B.A.; Sarker A.; Rana M.; Jobair A.A.	Handwritten digit recognition using machine learning algorithms	2018	34	[67]

3.9.2. Indonesian journal of applied linguistics

Indonesian Journal of Applied Linguistics (IJAL) (pISSN: 2301-9468 and eISSN: 2502-6747) is a journal that publishes original papers researching or documenting issues in applied linguistics. It is published by UPT Balai Bahasa, Universitas Pendidikan Indonesia. This journal is indexed in DOAJ, EBSCO, Google Scholar, Scopus, and SINTA (S1). Since Volume 7, the journal has regularly published three times a year in January, May, and September. We accept original research, conceptual, and

best practice articles related to applied linguistics. The language studied can be any language including but not limited to Arabic, English, French, German, Indonesian, Japanese, Korean, indigenous, and modern languages. It is important to bear in mind that the official language of the journal is English.

Figure 10 shows IJAL's profile in Scopus, currently, IJAL is indexed in Q2 with a cite score in 2022 recorded at 1.6, whereas in 2019 – 2022, it has 444 citations and 275 documents. Meanwhile, in 2023 IJAL will have a cite score of 1.8 with 480 citations and 260 documents. IJAL has a 2022 SJR score of 0.269. Table 7 shows a list of the 20 best papers in the IJAL journal from Scopus based on the highest number of citations.

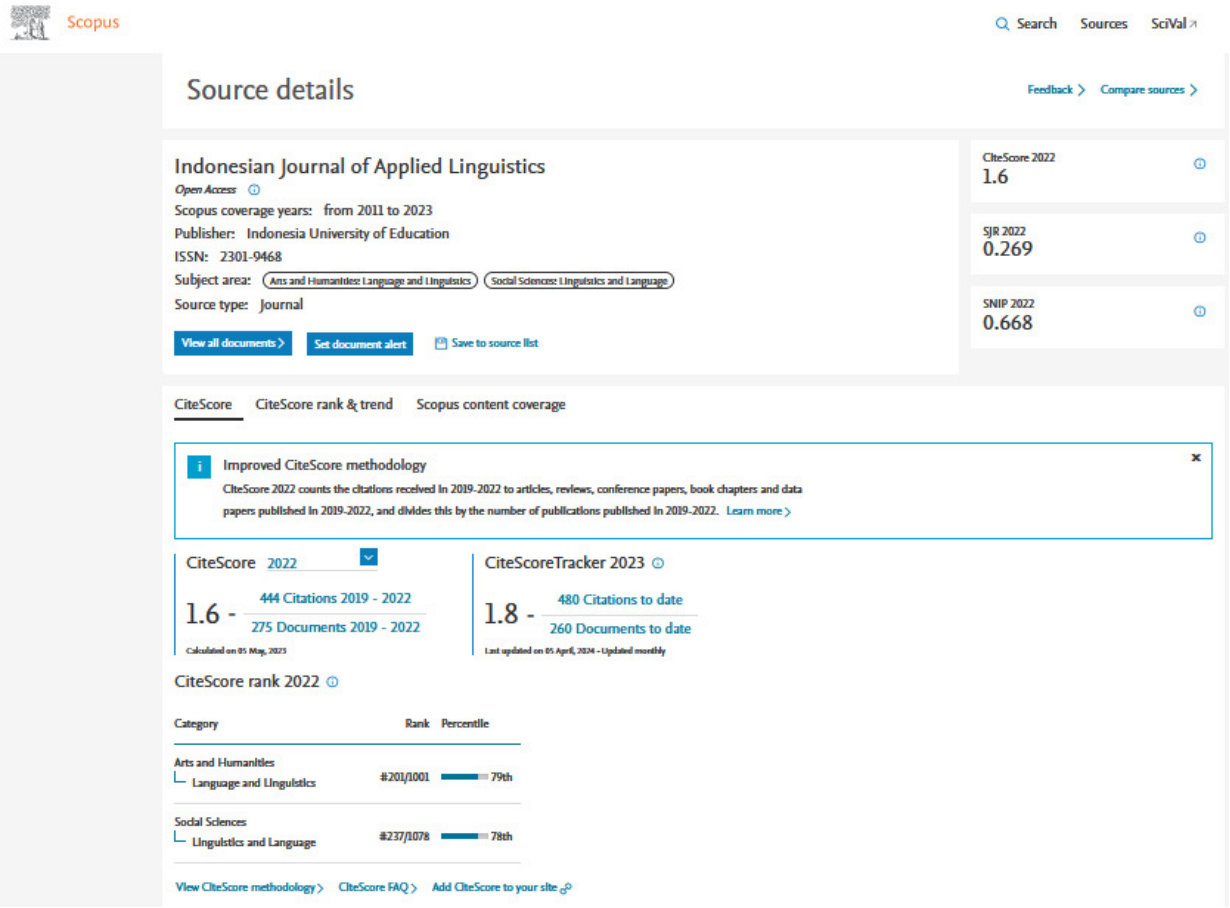


Fig. 10. IJAL profile on Scopus

Table 7
List of 20 papers with the highest number of citations in IJAL journals

No	Authors	Title	Year	Cited by	Ref
1	Zainuddin Z.; Habiburrahim; Muluk S.; Keumala C.M.	How do students become self-directed learners in the EFL flipped-class pedagogy? A study in higher education	2019	67	[68]
2	Wright B.M.	Blended learnings student perception of face-to-face and online EFL lessons	2017	52	[69]
3	Purnawarman P.; Susilawati; Sundayana W.	The use of Edmodo in teaching writing in a blended learning setting	2016	49	[70]
4	Ting S.-H.; Marzuki E.; Chuah K.-M.; Misieng J.; Jerome C.	Employers' views on the importance of english proficiency and communication skill for employability in Malaysia	2017	47	[71]
5	Lengkanawati N.S.	Learner autonomy in the indonesian EFL settings	2017	32	[72]

No	Authors	Title	Year	Cited by	Ref
6	Drajati N.A.; Tan L.; Haryati S.; Rochsantiningsih D.; Zainnuri H.	Investigating English language teachers in developing TPACK and multimodal literacy	2018	31	[73]
7	Islam M.M.	English medium instruction in the private universities in Bangladesh	2013	27	[74]
8	Subekti A.S.	L2 Motivational Self System and L2 achievement: A study of Indonesian EAP learners	2018	24	[75]
9	Satriani I.; Emilia E.; Gunawan M.H.	Contextual teaching and learning approach to teaching writing	2012	24	[76]
10	Kurniawati N.; Maolida E.H.; Anjaniputra A.G.	The praxis of digital literacy in the EFL classroom: Digital-immigrant vs digital-native teacher	2018	22	[77]
11	Sidhu G.K.; Kaur S.; Chi L.J.	CEFR-aligned school-based assessment in the Malaysian primary ESL classroom	2018	21	[78]
12	Alharbi M.A.	EFL university students' voice on challenges and solution in learning academic writing	2019	21	[79]
13	Barnard R.	English medium instruction in asian universities: Some concerns and a suggested approach to dual-medium instruction	2014	21	[80]
14	Khotimah K.; Widiati U.; Mustofa M.; Faruq Ubaidillah M.	Autonomous English learning: Teachers' and students' perceptions	2019	20	[81]
15	Takimoto M.	A corpus-based analysis of hedges and boosters in English academic articles	2015	19	[82]
16	Parlindungan F.; Rifai I.; Safriani A.	The representation of Indonesian cultural diversity in middle school English textbooks	2018	19	[83]
17	Rasman	To translanguage or not to translanguage? The multilingual practice in an Indonesian EFL classroom	2018	19	[84]
18	Yulia Y.	Teaching challenges in Indonesia: Motivating students and teachers' classroom language	2013	18	[85]
19	Yuliani Y.; Lengkanawati N.S.	Project-based learning in promoting learner autonomy in an EFL classroom	2017	18	[86]
20	Aziz A.H.A.A.; Rashid R.A.; Zainudin W.Z.W.	The enactment of the Malaysian common European framework of reference (CEFR): National master trainer's reflection	2018	18	[87]

3.9.3 ASEAN journal of science and engineering

The ASEAN Journal of Science and Engineering (AJSE) (e-ISSN = 2776-5938; p-ISSN = 2776-6098; accredited SINTA 1 by DGHE (Ministry of Research, Technology and Higher Education, Republic of Indonesia) no 79/E/KPT/2023 on 11/05/2023 (improved from SINTA 4 no 204/E/KPT/2022 on 03/10/2022) is an open access and peer-reviewed journal, published by Universitas Pendidikan Indonesia, which is a dissemination medium for research result from scientists and engineers in many fields of science and technology. It is published three times per year in March, September, and December. Each issue consists of 5-20 articles/reviews. Figure 11 shows AJSE's profile in Scopus, currently, AJSE is indexed in Q2 with a cite score in 2023 of 5.2 with 497 citations and 95 documents. The editors welcome submissions of papers describing recent theoretical and experimental research related to (1) Theoretical articles; (2) Empirical studies; (3) Practice-oriented papers; (4) Case studies; and (5) Review of papers, books, and resources. AJSE is an open-access, peer-reviewed premier journal in its field, in which it has been engaged with universities and institutions in more than 27 countries across the world, including Algeria, Argentine, Bangladesh, Brazil, Ethiopia, Indonesia,

India, Japan, Libya, Malaysia, Mauritania, Morocco, Nigeria, Pakistan, Philippines, Peru, Poland, Qatar, Russia Federation, Sweden, Thailand, Tunisia, United Arab Emirates, United States, Uzbekistan, Viet Nam, and Zimbabwe. Table 8 shows a list of the 20 best papers in the AJSE journal from Scopus based on the highest number of citations.

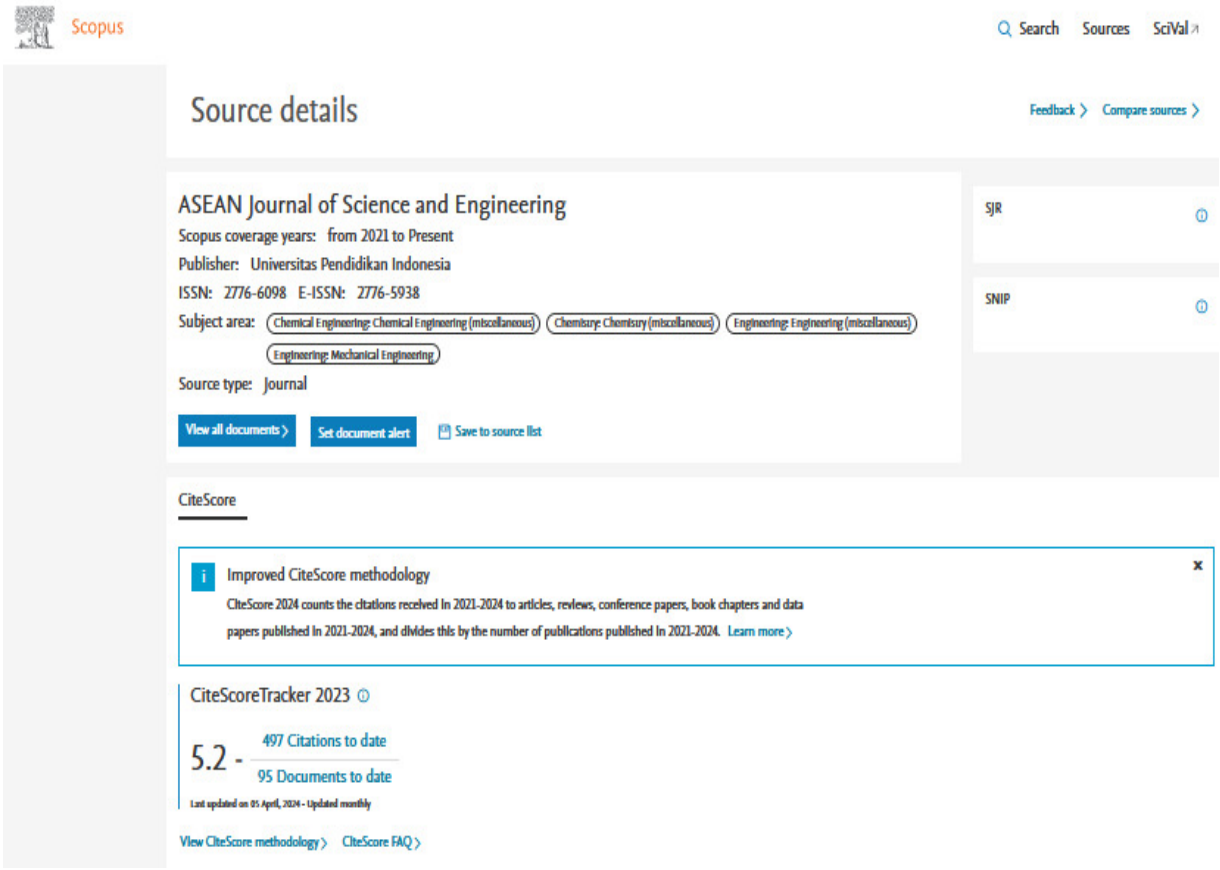


Fig. 11. AJSE profile on Scopus

Table 8
List of 20 papers with the highest number of citations in IJAL journals

No	Authors	Title	Year	Cited by	Ref.
1	Al Husaeni D.F.; Nandiyanto A.B.D.	Bibliometric Using Vosviewer with Publish or Perish (using Google Scholar data): From Step-by-step Processing for Users to the Practical Examples in the Analysis of Digital Learning Articles in Pre and Post Covid-19 Pandemic	2022	167	[88]
2	Fatimah S.; Ragadhita R.; Al Husaeni D.F.; Nandiyanto A.B.D.	How to Calculate Crystallite Size from X-Ray Diffraction (XRD) using Scherrer Method	2022	73	[89]
3	Shidiq A.P.	A Bibliometric Analysis of Nano Metal-Organic Frameworks Synthesis Research in Medical Science Using VOSviewer	2023	47	[25]
4	Ramadhan D.F.; Fabian A.M.; Saputra H.M.	Dental Suction Aerosol: Bibliometric Analysis	2022	28	[90]
5	Sukamto S.; Rahmat A.	Evaluation of FTIR, Macro and Micronutrients of Compost from Black	2023	16	[91]

No	Authors	Title	Year	Cited by	Ref.
		Soldier Fly Residual: in Context of Its Use as Fertilizer			
6	Kumar K.	Mapping of Nanotechnology Research in Animal Science: Scientometric Analysis	2021	13	[92]
7	Asif M.; Saleem S.; Tariq A.; Usman M.; Ul Haq R.A.	Pollutant Emissions from Brick Kilns and Their Effects on Climate Change and Agriculture	2021	12	[93]
8	Amin M.H.; Sajak A.A.B.; Jaafar J.; Husin H.S.; Mohamad S.	Real Time Water Quality Monitoring System for Smart City in Malaysia	2022	12	[94]
9	Khamaia D.; Boudhiaf R.; Khechekhouche A.; Driss Z.	Illizi city sand impact on the output of a conventional solar still	2022	11	[95]
10	Sheng D.P.W.; Bilad M.R.; Shamsuddin N.	Assessment and Optimization of Coagulation Process in Water Treatment Plant: A Review	2023	9	[96]
11	Nurdiana A.; Astuti L.; Dewi R.P.; Ragadhita R.; Nandiyanto A.B.D.; Kurniawan T.	Techno-economic Analysis on the Production of Zinc Sulfide Nanoparticles by Microwave Irradiation Method	2022	9	[97]
12	Nurrahma A.H.I.; Putri H.H.; Syahadat R.M.	Scientific Research Trends of Flooding Stress in Plant Science and Agriculture Subject Areas (1962-2021)	2023	8	[98]
13	Anh D.H.M.	Mesh Network Based on MQTT Broker for Smart Home and IIoT Factory	2022	8	[99]
14	Ghinaya Z.; Masek A.	Eco-Friendly Concrete Innovation in Civil Engineering	2021	8	[100]
15	Kareem K.; Rasheed M.; Liaquat A.; Hassan A.M.M.; Javed M.I.; Asif M.	Clean Energy Production from Jatropha Plant as Renewable Energy Source of Biodiesel	2022	7	[101]
16	Ramadhan M.O.; Handayani M.N.	Anthocyanins from Agro-waste as Time-Temperature Indicator to Monitor Freshness of Fish Products	2021	7	[102]
17	Consebit K.L.; Dermil K.C.; Magbanua E.Y.; Racadio F.J.; Saavedra S.V.; Abusama H.; Valdez A.	Bioplastic from Seaweeds (Eucheuma Cottonii) as an Alternative Plastic	2022	6	[103]
18	Magno I.T.; Esmail R.P.; Lim M.S.S.; Padua J.N.J.D.; Reyes K.L.; Tugom L.A.G.; Valdez A.G.; Abusama H.P.	Antibacterial Effect of Calabash (Crescentia Cujete) Leaf and Fruit Extract on Preservation of Lettuce (Lactuca Sativa) Leaves with Escherichia Coli	2022	6	[104]
19	Sari D.P.; Yuniar S.; Fadillah S.A.N.; Mutiarani A.; Kusumawaty D.	The Effectiveness of Mugwort Leaf Extract and Gotu Kola Leaf Extract against Acne Bacterial Activity	2022	6	[105]
20	Nurjamil A.M.; Wolio N.A.; Laila R.N.; Rohmah S.A.; Nandiyanto A.B.D.; Anggraeni S.; Kurniawan T.	Eco-Friendly Batteries from Rice Husks and Wood Grain	2021	6	[106]

4. Conclusions

UPI is a state university in Bandung, Indonesia which is determined to become a leading educational institution and a pioneering and superior university. UPI occupies the 16th position based on the SINTA ranking and the 17th position based on the Scopus ranking. UPI has 58 journals indexed by SINTA and 3 journals indexed by Scopus, namely the Indonesian Journal of Science and Technology (IJoST), Indonesian Journal of Applied Linguistics (IJAL), and ASEAN Journal of Science and Engineering (AJSE). UPI has an overall SINTA Score of 982,898 and over the last 3 years has had a SINTA score of 428,265. Currently, UPI has 6842 Scopus indexed documents with conference paper type, 3041 with journal article type, 93 reviews, 69 book chapters, 13 editorials, 9 notes, 7 letters, 4 data papers, 4 erratum, and 3 books. The research results show that over the last five years, the number of UPI publications has evolved both on a national and international scale when compared to the previous year. UPI continues to show significant progress in scientific publications on the international stage. This does not only raise UPI's good name but also contributes to the development of science globally. Apart from that, to increase the development of science on the global stage, in conducting research and publications at Scopus, UPI has collaborated with 106 countries and 150 different affiliates in the world.

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