



Introducing Indonesian Journal of Educational Research and Technology: A Bibliometric Analysis Study

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ABSTRACT

The objective was to analyze bibliometric analysis from publications in the Indonesian Journal of Educational Research and Technology (IJERT) from 2021 to 2022. The bibliometric analysis was done using VOSviewer, R Studio, and PoPv7 with the Google Scholar database. This study verified the impact of IJERT on internationalization. IJERT has a homogeneous scope in the fields of education. Research in the IJERT journal can become a medium for collaboration locally, regionally, and internationally. IJERT does not touch Asian countries only but also other countries in Africa, Europe, and Australia. Researchers who plan to publish their works in education and technology might use IJERT as an academic resource. Additionally, it is anticipated that this research will improve local (Indonesian) and regional (ASEAN) researchers' motivation and passion for conducting the study, particularly in the areas of technology for improving education.

1. Introduction

Over time, journals have been used as storage for scientific reports and have been the primary medium for disseminating research findings. Scientific publications can help the scientific community improve communication. Journals are a crucial tool for the advancement of technology and science [1]. Scientific journals allow the author to publish research findings of their studies in addition to offering information. As a result, the general public can access and use study findings. Scientific journals are publications that feature papers in the field of science that have been produced by academics or researchers and published in print or online [2]. According to Solomon *et al.*, [3] and Yuen *et al.*, [4], many people now maintain journals with both open access and restricted access.

Indonesia has access to scientific journals with more than ten years of history. Indonesia has started to boost its publication since the regulation pushed Indonesian researchers to publish their works in the journal indexed by the Scopus database [5,6]. The boost in enthusiasm for academic writing is shown by the increasing number of publications. For example, Universitas Pendidikan Indonesia (UPI) has had excellent increases in the number of publications since 2015 (Figure 1).

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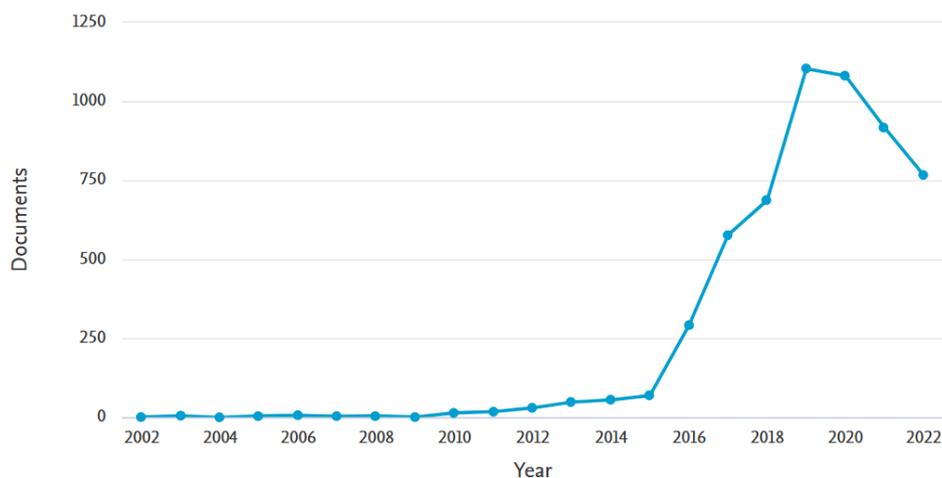


Fig. 1. Publication of UPI based on Scopus from 2002 to 2022

The above analysis demonstrates that Indonesia has contributed to efforts to advance science and technology through publication in scholarly journals. Scientific journals are one option that researchers have for disseminating the product. Research findings must be published in an established journal to be recognized as copyrighted. The Indonesian Science and Technology Index (SINTA), run by the country's Ministry of Education, Culture and Research and Technology, is one instance of journal certification and accreditation in Indonesia. The SINTA Indexing (<https://sinta.kemdikbud.go.id>) lists 8,881 periodicals and 1395 publishers for the country of Indonesia alone. One of the excellent Indonesian journals is the Indonesian Journal of Educational Research and Technology (IJERT) (<https://ejournal.upi.edu/index.php/ijert>).

IJERT is one of the periodicals in Indonesia for scientists, engineers, and educators to publish their works in education. UPI, as the top university in education in Indonesia, is the publisher for IJERT as a peer-reviewed and open-access journal. IJERT is a quarterly journal, published in March, September, and December every year with 5–10 articles/reviews in each issue. The editors are always interested in receiving papers summarizing current theoretical and experimental research in the field of education in the following areas:

- (i) Empirical studies
- (ii) Theoretical articles
- (iii) Case studies
- (iv) Practice-oriented papers
- (v) Reviews of papers, resources, and books.

IJERT is an internationally recognized, open-access, peer-reviewed journal that has collaborated with academic institutions and universities in over 23 nations, including Indonesia, Algeria, Bangladesh, Australia, Brunei Darussalam, Bosnia and Herzegovina, Germany, Cambodia, India, Iraq, Jordan, Japan, Vietnam, Laos, Nigeria, Malaysia, Qatar, Philippines, Sudan, Thailand, Russia Federation, Uzbekistan and Zimbabwe. A top article from IJERT in 2022 that has been mentioned more than 70 times and is regarded as extremely good in its field has received several citations. Table 1 shows a list of 25 top papers based on Google Scholar database.

Table 1
Top cited articles in IJERT based on the Google Scholar database

No.	Document title	Authors	Year	Ref
1	Economies and management as a result of the fourth industrial revolution: An education perspective	Shaturaev	2022	[7]
2	Utilization of the Google Meet and Quiziz applications in the assistance and strengthening process of online learning during the COVID-19 pandemic	Nasution <i>et al.</i> ,	2021	[8]
3	The urgency of online learning media during the COVID-19 pandemic at the vocational school in Indonesia	Huwaidi <i>et al.</i> ,	2021	[9]
4	How to read and interpret UV-VIS spectrophotometric results in determining the structure of chemical compounds	Pratiwi <i>et al.</i> ,	2022	[10]
5	Perception of Japanese students in using online video as a learning media	Winarni <i>et al.</i> ,	2021	[11]
6	Factors affecting the students' scholastic performance: a survey study	Briones <i>et al.</i> ,	2022	[12]
7	Mixed education and quality standard in the university teaching: A theoretical study	AL-Momani <i>et al.</i> ,	2022	[13]
8	Instructional materials and alternative teaching practices in physical education	Morbo	2021	[14]
9	Easy-mushroom mobile application using the Internet of Things (IoT)	Thapwiroch <i>et al.</i> ,	2021	[15]
10	Teaching and learning with technology: Effectiveness of ICT integration in schools	Shah	2022	[16]
11	Utilization of work-based learning program to develop employability skill of workforce (craftsmen) in construction industry towards industrial development	Stephen <i>et al.</i> ,	2022	[17]
12	Health status and job performance of physical education instructors in higher education institutions	Calixtro Jr	2021	[18]
13	What Makes Our Students Demotivated in Learning?	Ahmad	2021	[19]
14	Lecturer perspective on informal learning activities	Jizat <i>et al.</i> ,	2021	[20]
15	Attitude of Sultan Kudarat State University laboratory high school students and teachers on proposed "no homework policy" bill	Lumbu-ani <i>et al.</i> ,	2021	[21]
16	Online learning and academic performance of bachelor of physical education students	Ledesma <i>et al.</i> ,	2021	[22]
17	Internet literature: Increasing information competence in the learning process of students of class 7 middle school	Fadillah <i>et al.</i> ,	2022	[23]
18	Strengthening character education of students through civics caring apps based on m-learning during the COVID-19 pandemic	Ammatulloh <i>et al.</i> ,	2022	[24]
19	Development of a solar-powered submersible pump system without the use of batteries in agriculture	Bhosale	2022	[25]
20	Development of augmented reality application for exercise to promote health among elderly	Bangkerd <i>et al.</i> ,	2021	[26]
21	Media analysis of biology teaching book grade xii: A study based on science literation category	Glorifica	2021	[27]
22	Online class: Its implication towards academic skills development	Bermudez <i>et al.</i> ,	2021	[28]
23	Ergo design of mentoring in the national ecosystem of vocational education in the period of the 10th technological order	Glushchenko	2022	[29]
24	Social media efficacy on prevention and control of Covid-19 pandemic in Ilorin south local government area, Kwara State	Abubakar <i>et al.</i> ,	2022	[30]
25	College students' perspective towards lecturers' work ethics	Ahmad	2021	[31]

Based on our previous studies regarding the analysis of journals in connecting research and society [32-35], here, we focused on analyzing the internationalization of IJERT using the bibliometric method. As shown in Tables 2 and 3, numerous researchers have conducted studies using analysis of bibliographics. Table 2 shows the earlier bibliometric analysis study.

Table 2
Analysis of bibliometric previous studies

No.	Title	Topic Discussion	Ref
1	Dental suction aerosol: Bibliometric analysis.	This project demonstrates the development of dental aerosol suction using VOSviewer and bibliometrics maps dissemination.	[36]
2	A bibliometric analysis of COVID-19 research using VOSviewer.	This study uses bibliometric methodology to assess the development of research over the Covid-19 pandemic.	[37]
3	The concise latest report on the advantages and disadvantages of pure biodiesel (B100) on engine performance: Literature review and bibliometric analysis	In this study's literature evaluation, the drawbacks and benefits of using pure biodiesel on engine performance are explored.	[38]
4	A bibliometric analysis of management bioenergy research using VOSviewer application	This study discusses the developments and trends in biofuel management research.	[39]
5	Oil palm empty fruit bunch waste pretreatment with benzo triazolium-based ionic liquids for cellulose conversion to glucose: Experiments with computational bibliometric analysis	This study investigated how benzotriazole ionic salt solutions were utilized to dissolve empty palm oil fruit bunches using bibliometric analysis and VOSviewer.	[40]
6	Management information systems: bibliometric analysis and its effect on decision making.	Information on decision-making is covered in this study.	[41]
7	Correlation between process engineering and special needs from bibliometric analysis perspectives.	This study covers the integration of mapping analysis using VOSviewer.	[42]
8	Bibliometric analysis for understanding the correlation between chemistry and special needs education using VOSviewer indexed by Google.	The usage of the VOSviewer application in conjunction with the analysis of mapping.	[43]
9	Bibliometric and visualized analysis of scientific publications on geotechnics fields.	This research studied the development study in geotechnical engineering using bibliometric mapping analysis and the VOSviewer tool.	[44]
10	A bibliometric analysis of computational mapping on publishing teaching science engineering using VOSviewer application and correlation.	This study explained recent developments in research of scientific education and engineering.	[45]
11	What is the correlation between chemical engineering and special needs education from the perspective of bibliometric analysis using VOSviewer indexed by Google Scholar?	This research analyses the "Special Needs of Chemical Engineering" by combining mapping visualization with the VOSviewer tool.	[46]
12	Producción científica sobre seguridad del paciente en el área de Enfermería en Latinoamérica: Scientific production on patient safety in the field of nursing in Latin America	Describing the patient safety-related scientific output in the nursing field in Latin America.	[47]
13	Productivity and impact of Cuban hospitals in Scopus between 1996 and 2016	This study describes how scientific production affects communication in Cuban hospitals.	[48]
14	History and Philosophy of Science in Latin America	Using the Scimago Country, Scival and journal Rank tools, a bibliometric analysis of publications in the "History and Philosophy of Science" category from the years 1996 to 2016 was done.	[49]
15	Characterization of the scientific output on lithium batteries through SciVal topic analysis	SciVal's 2017 and 2021 themes were examined as part of a bibliometric analysis that characterized the scientific output on lithium-ion batteries.	[50]

Table 3 shows our previous research with analysis of bibliometrics. In general, analysis of bibliometrics is a highly effective tool for exploring and visualizing the most recent literature. Results from earlier studies support the value of analysis of bibliometrics for exploring and visualizing the body of literature that can be used to determine whether additional study is warranted. However,

according to the study that has been done, nobody has yet talked about how international journals use bibliographic analysis for IJERT. To ascertain the impact of publication on that journal, both locally and globally, this study investigated in detail bibliographic data from publications in IJERT from 2021 to 2022, including several aspects, from authors, number of publications, citations, etc. Joint research and publications were also discussed, offering suggestions and information to stakeholders, the government, and practitioners relating to education.

Table 3

Our work in the analysis of bibliometric

No.	Title	Topic Discussion	Ref
1	A bibliometric analysis of materials research in Indonesian journals using VOSviewer	In this essay, the current state of materials research is discussed.	[51]
2	Sustainable development goals (SDGs) in science education: Definition, literature review, and bibliometric analysis.	This article shows the drivers of and trends in the SDG research expansion.	[52]
3	A bibliometric analysis of chemical engineering research using VOSviewer and its correlation with COVID-19 pandemic condition.	Research in chemical engineering is examined in this study.	[53]
4	Computational bibliometric analysis of research on science and Islam with VOSviewer: Scopus database in 2012 to 2022.	This research used articles that have been indexed by Scopus, this study examines the growth of research using analysis of bibliometrics in the domains of Islam and science.	[54]
5	Resin matrix composition on the performance of brake pads made from durian seeds: From computational bibliometric literature analysis to experiment.	This article employs an analysis of bibliometrics to discuss the impact of resin matrix composition on the performance of brake pads.	[55]
6	Bibliometric Analysis of Briquette Research Trends During the Covid-19 Pandemic.	This article examines the developments in research on briquettes during the COVID-19 epidemic.	[56]
7	Computational Bibliometric Analysis on Publication of Techno-Economic Education.	In this study, bibliometric analysis is used to discuss the development of publications in the education of techno-economics.	[57]
8	How bibliographic dataset portrays decreasing number of scientific publications from Indonesia	The use of bibliographic datasets to explain the decline in Indonesian scientific publications is investigated in this research.	[5]
9	How to calculate bibliometrics using VOSviewer with Publish or Perish (using Scopus data): Science education keywords	The Publish or Perish is utilized in this research to evaluate bibliometrics with VOSviewer.	[58]
10	Bibliometric analysis of engineering research using VOSviewer indexed by Google Scholar	This study uses VOSviewer to examine the development of technical research using information from papers that were indexed by Google Scholar.	[59]
11	Bibliometric computational mapping analysis of publications on mechanical engineering education using VOSviewer	This paper examines the development of engineering education research.	[60]
12	Involving particle technology in computational fluid dynamics research: A bibliometric analysis	This research was conducted to determine the growth in the number of publications, citations, and visualization of scientific mapping in the field of particle technology in computational fluid dynamics (CFD)	[61]
13	Strategies in language education to improve science student understanding during practicum in laboratory: Review and computational bibliometric analysis	This paper examines the use of language education for students' understanding during practicums in the laboratory through bibliometric analysis.	[62]

14	How language and technology can improve student learning quality in engineering? Definition, factors for enhancing students' comprehension and computational bibliometric analysis	This paper examines how to improve the quality of student learning in engineering through the use of language and technology with the help of theoretical and bibliometric analysis.	[63]
15	Concept of Computational Fluid Dynamics Design and Analysis Tool for Food Industry: A Bibliometric	This article discusses computational fluid dynamics design analysis for the food industry.	[64]
16	Concept of Computational Fluid Dynamics and Its Application in Sport Science: Bibliometric Analysis of Modelling Thermal Comfort in Sport Hall	This article discusses bibliometric analysis of the concept of computational fluid dynamics and its application in sports science.	[65]

2. Method

This study employed bibliometric analysis using the Publish or Perish (PoP) application version 7, we were able to retrieve all bibliographic information from publications published by IJERT in 2021–2022. The published data collected via the Publish or Perish 7 reference management application was afterward stored in two forms, namely *.ris and *.csv. As standards for data gathering, the author's name, year of publication, author's nation, and keywords were used. We created scientometric networks that reflect productivity using the VOSviewer and a data visualization tool that creates networks from pre-processed datasets. The term "Indonesian Journal of Educational Research and Technology" was used as a keyword for searching in the PoP version 7 application. The analysis of bibliometrics in this research was carried out in 4 phases, namely:

- (i) Harvesting Data
- (ii) Screening Data
- (iii) Data Visualization
- (iv) Data Analysis.

Detailed information for the use of VOSviewer is shown in previous studies [66,67]. We gathered data for trend analysis. We also determined the influence of IJERT on research publications during the data-harvesting stage. The PoP 7 application was currently being used to compile published research materials (articles) on subjects connected to science, engineering, and education. Under the title of "Indonesian Journal of Educational Research and Technology", research documents were gathered between 2021 and 2022.

Research documents gathered with the use of the PoP 7 application cannot be directly evaluated at the data screening step. Data filtering is therefore necessary. At this point, the publisher was taken into consideration while filtering the data. Unpublished articles were removed from ejournal.upi.edu as the publisher. The PoP 7 tool and Ms. Excel were used to carry out the elimination procedure. 53 articles were discovered once the data had been filtered. Data has been saved in (*.ris) format was then submitted to the VOSviewer program to get mapping visualization results during the data visualization stage. At this point, the phrases in the network visualization were filtered. The articles were mapped using the database sources.

The data that was processed and visualized using Microsoft Excel was then analyzed in the final stage, referred to as the analysis stage, to determine the results in several points: developments publications per year, the authors conducted the country, the most research, the correlation between the author and other parties and countries. At this point, the clusters derived from the visualization were also examined.

One cluster group, represented in Figure 4, is the most predominant among the 52 cluster groupings. Cluster 1 is the dominant group. Aladesusi, Ashaolu, Babalola, Boor, Olumorin, Onasanya, Onojah, Soetan, and Taiwon are the nine authors in cluster 1. Babalola is one of the nine authors listed in Table 4 as the top 10 most productive authors.

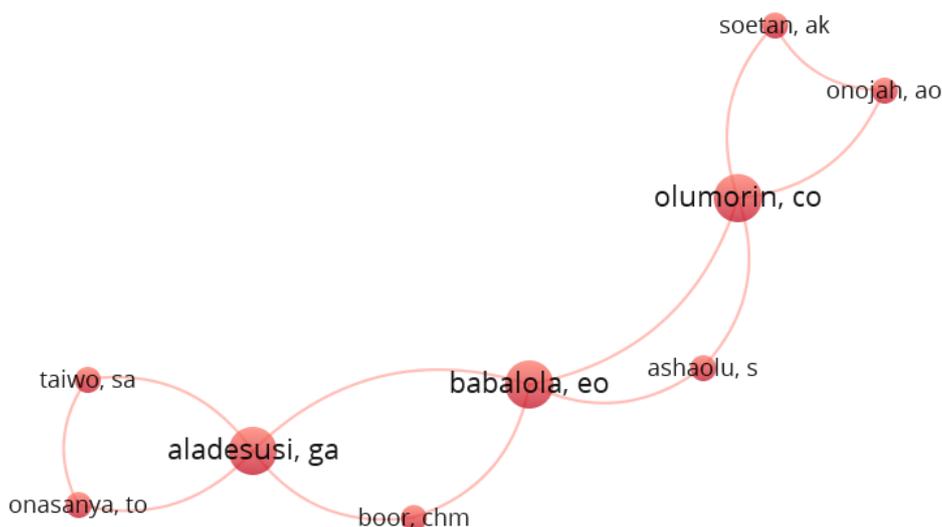


Fig. 4. Author with the most collaborations

According to Table 4, Nandiyanto has successfully published the most articles in IJERT with a total of 5 articles. Ea follows with 4 articles. For authors with three articles, there are Aladesusi, Babalola, Olumorin, Rusyani, Alcaide, Bermudez, Bolaji, and Calixtro. It is known that local (Indonesia) and regional (ASEAN countries) researchers frequently use IJERT. Nevertheless, there is a sizable number of external (international) researchers, as shown by the presence of more than 5 foreign authors among the top 10 IJERT’s authors. We also found to be the most productive authors among the 10 authors represented in Table 4 (2021-2022), producing a total of 5 publications. Although IJERT has set a high standard for published articles, journal editors seem to assist local scholars in submitting their work for publication in IJERT. This is shown by many authors from Indonesia in IJERT.

Table 4

The ten IJERT researchers who produced the most work in 2021–2022

Rating	Author	Document	Total of Link Strength
1	Nandiyanto, A.B.D.	5	6
2	Ea. E.P.	3	4
3	Aladesusi, G.A.	2	4
4	Babalola, E. O.	2	4
5	Olumorin, C.O.	2	4
6	Rusyani, E.	2	4
7	Alcaide, A. M.	2	3
8	Bermudez, T. C.	2	3
9	Bolaji, H.O.	2	2
10	Jr, Vl. Calixtro	2	2

The Philippines was the country that contributed most actively in publishing its articles on IJERT for two years, from 2021 to 2022, according to our analysis of the countries that actively contributed (Figure 5). Even though the Philippines accounts for 17.65% of the articles published in IJERT, the remaining 82.35% are written by authors from other countries, including Germany, Indonesia, Nigeria, Thailand, Malaysia, Algeria, Bosnia and Herzegovina, Vietnam, Qatar, Brunei Darussalam,

Zimbabwe, Jordan, and Japan (see Figure 6 and Table 5). These findings demonstrate that IJERT is accessible to academics worldwide and that its internationalization yields fruitful outcomes.

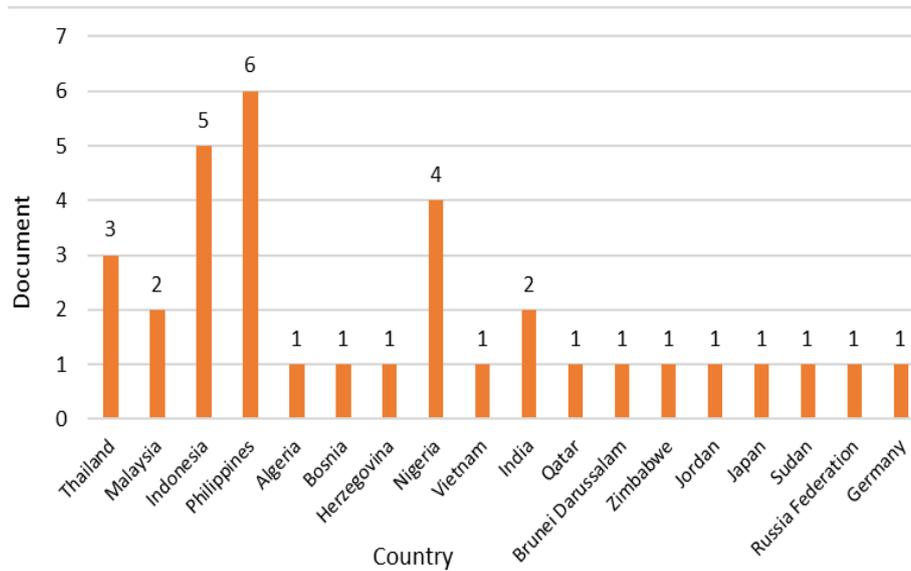


Fig. 5. Countries supporting IJERT

Figure 6 displays nations that have only made contributions to the AJSEE journal as of 2022, including Germany, India, Qatar, Brunei Darussalam, Zimbabwe, Jordan, and the United States of America.

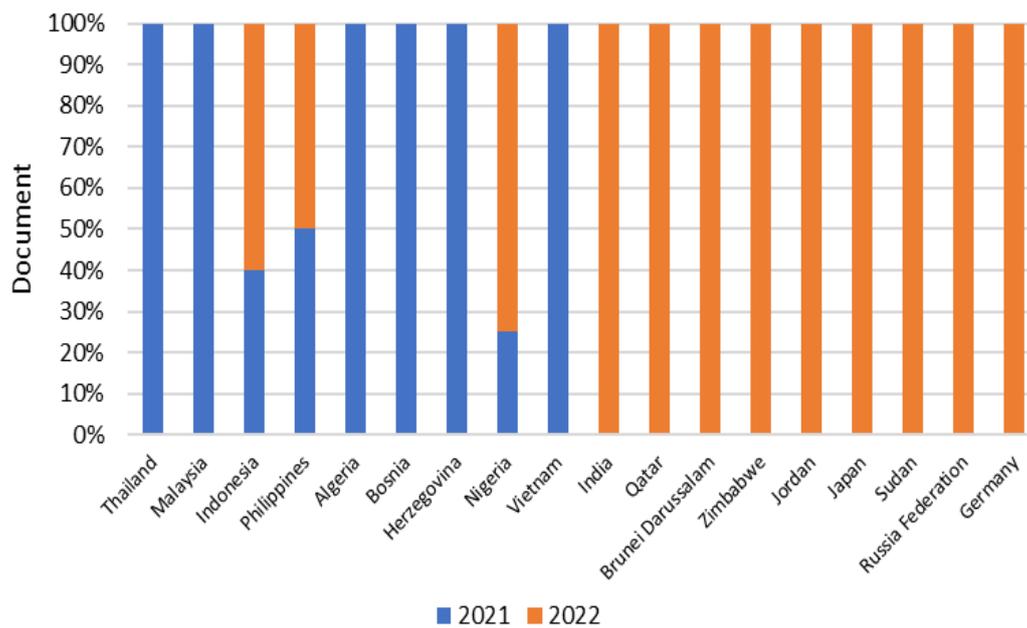


Fig. 6. Distribution of yearly contributions from nations with the highest IJERT publication rates

According to Table 5, the number of articles written by Filipino authors and accepted for publication on IJERT for two years (2021–2022) averaged three per year. Or, it is for a total of six articles per year over two years. According to the findings of an analysis of the countries' published studies on IJERT, it is primarily from Asia. Surprisingly, these authors from Asia have emerged as IJERT's primary partners over the previous two years (2021–2022), and among the several Asian have

published, some are represented in the top 10 producers in Table 5. African countries are also in the top 10 most productive nations, in addition to Asia. The inclusion of publications from Africa demonstrates that IJERT can act as an incubator for establishing international partnerships outside of Asian nations.

Table 5
 The top ten for the most contributed countries published articles in IJERT in 2021-2022

Country	2021	2022	Publication Total	Percentages (%)
Thailand	3	0	3	8.82
Malaysia	2	0	2	5.88
Indonesia	2	3	5	14.71
Philippines	3	3	6	17.65
Algeria	1	0	1	2.94
Bosnia	1	0	1	2.94
Herzegovina	1	0	1	2.94
Nigeria	1	3	4	11.76
Vietnam	1	0	1	2.94

The majority of terms contained in IJERT are related to education and education technology, according to the mapping analysis results shown in Figure 7. The mapping results also show three cluster groups: Cluster 1 consists of the terms education, effectiveness, learning, pandemic, students, and teachers; Cluster 2 consists of the terms development, study, technology, utilization, and utilization; and Cluster 3 consists of level terms. Each item comes from the selection of at least 3 events. The previously mentioned clusters can also be distinguished by their color. The colors of clusters 1, 2, and 3 are red, green, and blue, respectively.

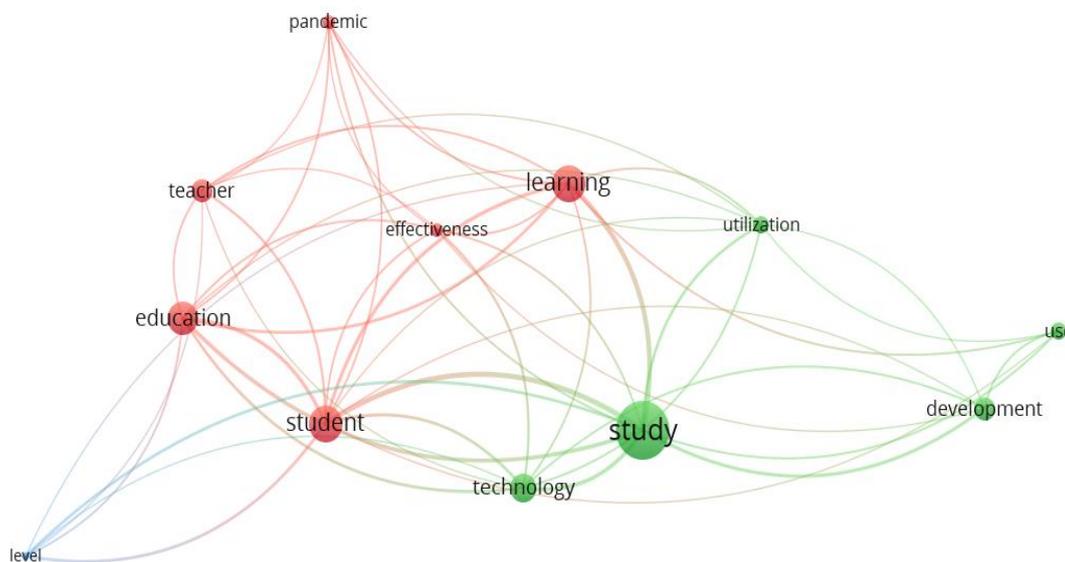


Fig. 7. Network of keyword co-occurrences from research articles published in IJERT in 2021–2022

Finally, Figure 8 displays specific publication data from IJERT. These findings suggested that as a journal gets older, contributions from the state increase, and its affiliations become more diverse. It should be mentioned that this research needs to be verified again, particularly for internationalization in IJERT, as many articles were not picked up and this study only focused on data from 2021 to 2022.

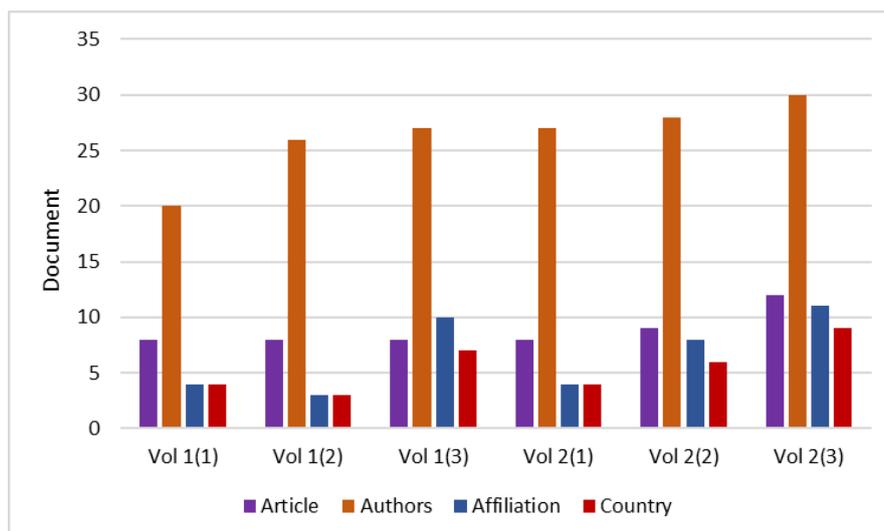


Fig. 8. IJERT publication information

IJERT is a promising journal in education and education technology. In addition to the above-explained and described articles, IJERT also has published many papers in 2023 and the articles are passing 2024. This is because many authors are enthusiastic about publishing their works in IJERT. Table 6 shows several papers published in IJERT in 2023.

Table 6

Published articles in IJERT in 2023

No.	Document title	Authors	Year	Ref
1	Bibliometric Analysis of High School Keyword Using VOSviewer Indexed by Google Scholar	Husaeni <i>et al.</i> ,	2023	[68]
2	Examining the Effects of Online Games on The Academic Performance of BPEd Students of Sultan Kudarat State University, Philippines	Cabrillos <i>et al.</i> ,	2023	[69]
3	The Effectiveness of YouTube Media to Improve Knowledge and Literacy of Elementary School Students	Mulya <i>et al.</i> ,	2023	[70]
4	Examining Facilitating Condition and Social Influence as Determinants of Secondary School Teachers' Behavioural Intention to Use Mobile Technologies for Instruction	Buraimoh <i>et al.</i> ,	2023	[71]
5	Utilization of E-Resources for Learning Among Undergraduates	Daramola	2023	[72]
6	Thinking Outside the Box from The Perspective of a Malaysian School Administrator During a Pandemic as A New Educational Form	Mohammad <i>et al.</i> ,	2023	[73]
7	Economies and Management as A Result of The Fourth Industrial Revolution: An Education Perspective	Shaturaev	2023	[74]
8	Policy for Distance Learning in Education in Higher Education Institutions: Experiences from Sudan	Onia <i>et al.</i> ,	2023	[75]
9	Effect of Concept Mapping Teaching Approach on Students' Academic Performance in Chemistry in Senior Secondary Schools	Francis <i>et al.</i> ,	2023	[76]
10	Motivation and ICT in Secondary School Mathematics Using Unified Theory of Acceptance and Use of Technology Model	Akinoso	2023	[77]
11	Examining the Challenges of Early Childhood Education in Nigeria	Aguh <i>et al.</i> ,	2023	[78]
12	Usability and Utilization of ICT Among Educational Administrators in Secondary Students in Public Schools	Bolaji <i>et al.</i> ,	2023	[79]
13	The Education and History of Timur Lenk from Uzbekistan	Mirzabek	2023	[80]
14	Scientific Approach to Enhance Scientific Literacy of Junior High School Students: Domain of Competence	Nugraha	2023	[81]
15	The Effect of Education on Increasing Student Enthusiasm for Learning in the Transition Period of Online to Offline Learning	Rivaldi <i>et al.</i> ,	2023	[82]

16	The Importance of Vitamin and Mineral Intake for 12-Year-Old Child Growth	Ayu <i>et al.</i> ,	2023	[83]
17	Career Choice: A Case Study of College Students Shifting Career Paths	Lao <i>et al.</i> ,	2023	[84]
18	Enter Her Novice World: A Narrative Study on The Life of a Teenage Student–Mother	Abalos <i>et al.</i> ,	2023	[85]
19	A Study of Consumer Satisfaction Towards E-Banking Facilities Provided by Private Sector Banks with The Reference Vita City and Its Correlation with The Level of Education	Dhairyasheel <i>et al.</i> ,	2023	[86]
20	A study on awareness of college students about cryptocurrency and Its relation to Level of Education	Jadhav <i>et al.</i> ,	2023	[87]
21	Medical Services, Patient Age and Level of Education on Its Influence on Diabetic Patients’ Level of Satisfaction	Ea <i>et al.</i> ,	2023	[88]
22	Implementation of Work Immersion and Its Effects on the Social Development of Senior High School Graduates	Borling <i>et al.</i> ,	2023	[89]
23	Counselling on The Benefits of Eating Vegetables for The Health of The Body	Da Wafi <i>et al.</i> ,	2023	[90]
24	Titi Laras Damina Educational Learning for Senior High School Students as a Form of Cultural Preservation	Herdian <i>et al.</i> ,	2023	[91]
25	Dealing with Demons: Life of Someone Suffering from Body Shame	Billano <i>et al.</i> ,	2023	[92]
26	Accessibility and Usability of Information and Technology Communication: Application for Record-Keeping among Secondary School Administrators	Bolaji <i>et al.</i> ,	2023	[93]
27	Improving Students’ Participation and Performance in Building Quantities through Think-Pair-Share Cooperative Learning	Ismail <i>et al.</i> ,	2023	[94]
28	Demographic Factors and Test Anxiety among Secondary School Students	Omoyemiju	2023	[95]
29	Six Points a Legacy of Historic Events in Bangladesh: An Education Perspective	Karmaker <i>et al.</i> ,	2023	[96]
30	Student's Willingness and Perception Towards Online Teaching and Learning Through the Psychoeducational Group Counselling Approach	Masandal <i>et al.</i> ,	2023	[97]
31	Greening the Internet of Things: A Comprehensive Review of Sustainable IoT Solutions from An Educational Perspective	Jebur	2023	[98]
32	Design of Emergency Position Reporting System for Disasters Using Amateur Radio and Automatic Packet Reporting System (APRS) as a Mobile Station Operator for Educational Purposes	Un <i>et al.</i> ,	2023	[99]
33	Development of The Project Approach in Engineering Higher Education	Glushchenko	2023	[100]

In addition to IJERT, one of the best journals that relate to IJERT is the ASEAN Journal of Educational Research and Technology (AJERT). AJERT also compasses its excellency in publishing education-relating research. Several papers published in AJERT passed to 2024 are shown in Table 7.

Table 7

Published articles in AJERT in 2024

No.	Document title	Authors	Year	Ref
1	Self-concept as predictors of Internet addiction among undergraduate students of Kwara State University, Nigeria	Hassan <i>et al.</i> ,	2023	[101]
2	Development and acceptability of virtual laboratory in learning systematics	Sison <i>et al.</i> ,	2024	[102]
3	Exploring the impact of online education on higher education	Kamraju <i>et al.</i> ,	2024	[103]
4	Availability and utilization of preschool play equipment	Saadu	2024	[104]
5	The clash between the Universal Declaration of Human Rights and harmful traditional practices	Loisimaye <i>et al.</i> ,	2024	[105]
6	Extent of applicability of offline mobile application for modules and learning packets	Ahillon Jr <i>et al.</i> ,	2024	[106]
7	The research trend of statistical significance test: Bibliometric analysis.	Al Husaeni <i>et al.</i> ,	2024	[107]

8	Perceptions of music and its effect on the productivity of students.	Kahar <i>et al.</i> ,	2024	[108]
9	Development of innovative management competencies of students in the context of digitization of education.	Qizi <i>et al.</i> ,	2024	[109]
10	Methodology of formation of students' professional competence based on innovative approach	Khamidullaevna <i>et al.</i> ,	2024	[110]
11	A Quantitative approach to challenges facing online and physical classrooms in higher institution	Babalola <i>et al.</i> ,	2024	[111]
12	Theoretical aspects of creating a scientific and educational platform for information and trading systems.	Glushchenko <i>et al.</i> ,	2024	[112]
13	Perceived influence of violent television shows on pupil learning and academic performance.	Salman <i>et al.</i> ,	2024	[113]
14	Perception about student engagement in blended learning instructional design: Evidence from Sri Lankan Universities.	Jayarathna <i>et al.</i> ,	2024	[114]
15	Efforts to improve young generation problem solving in the era of globalization using six thinking hats analyzed with SPSS: Solving literacy, read and hoax.	Theron <i>et al.</i> ,	2024	[115]
16	Quality of life among secondary school teachers in Kwara State: Implication for counselling.	Kamaldeen <i>et al.</i> ,	2024	[116]
17	Review on utilization of visual basic software for improving students' computer programming performances.	Gatchalian <i>et al.</i> ,	2024	[117]

4. Conclusion

This study analyzed articles published in the IJERT journal 2021-2022 by bibliographic analysis. We also analyzed the effect of the internationalization and development of IJERT on local (Indonesian and ASEAN) and international research communities. IJERT has grown vastly. It is because of its open-source access to its policy. IJERT has successfully raised various topics. Specifically, it relates to education and education technology. IJERT can encourage local and international research networks. It makes the journal a forum for discussing and enhancing early research in specific fields, regarding education and education technology. In IJERT, there are contributions from 23 countries from Asia, Australia, Africa, and Europe. The IJERT is very meaningful for giving and bringing new research and authors collaboration. We also found that the collaborations are between countries, both Asian (Indonesia, Bangladesh, Cambodia, Brunei Darussalam, India, Japan, Iraq, Laos, Malaysia, Philippines, Qatar, Sudan, Thailand, and Vietnam) and other non-Asian countries (such as Algeria, Australia, Bosnia and Herzegovina, Germany, Jordan, Nigeria, Russia Federation, Uzbekistan, and Zimbabwe). The internationalization efforts made at IJERT promote the growth of global networks for collaboration, which broadens the range of research issues and diversifies the research findings. Greater visibility and influence for academics are ensured through collaboration between regional and international researchers. We also found that journals can be used as models and tools for building research partnerships.

References

- [1] de Miranda Santo, Marcio, Gilda Massari Coelho, Dalci Maria dos Santos and Lélío Fellows Filho. "Text mining as a valuable tool in foresight exercises: A study on nanotechnology." *Technological Forecasting and Social Change* 73, no. 8 (2006): 1013-1027. <https://doi.org/10.1016/j.techfore.2006.05.020>
- [2] Knight, Linda V. and Theresa A. Steinbach. "Selecting an Appropriate Publication Outlet: A Comprehensive Model of Journal Selection Criteria for Researchers in a Broad Range of Academic Disciplines." *International Journal of Doctoral Studies* 3 (2008). <https://doi.org/10.28945/51>
- [3] Solomon, David J. and Bo-Christer Björk. "A study of open access journals using article processing charges." *Journal of the American Society for Information Science and Technology* 63, no. 8 (2012): 1485-1495. <https://doi.org/10.1002/asi.22673>

- [4] Yuen, Jason, Samiul Muquit and Peter C. Whitfield. "Correlation between cost of publication and journal impact. Comprehensive cross-sectional study of exclusively open-access surgical journals." *Journal of surgical education* 76, no. 1 (2019): 107-119. <https://doi.org/10.1016/j.jsurg.2018.06.029>
- [5] Nandiyanto, Asep Bayu Dani, Muhammad Kunta Biddinika and Farid Triawan. "How bibliographic dataset portrays decreasing number of scientific publication from Indonesia." *Indonesian Journal of Science and Technology* 5, no. 1 (2020): 154-175. <https://doi.org/10.17509/ijost.v5i1.22265>
- [6] Nandiyanto, Asep Bayu Dani, Muhammad Kunta Biddinika and F. A. R. I. D. Triawan. "Evaluation on research effectiveness in a subject area among top class universities: a case of Indonesia's academic publication dataset on chemical and material sciences." *Journal of Engineering Science and Technology* 15, no. 3 (2020): 1747-1775.
- [7] Shaturaev, Jakhongir. "Economies and management as a result of the fourth industrial revolution: An education perspective." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2022): 51-58. <https://doi.org/10.17509/ijert.v3i1.45652>
- [8] Nasution, Atika Rahmah and Asep Bayu Dani Nandiyanto. "Utilization of the google meet and quiziz applications in the assistance and strengthening process of online learning during the COVID-19 pandemic." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 31-34. <https://doi.org/10.17509/ijert.v1i1.33367>
- [9] Huwaidi, Fahmi, Asep Bayu Dani Nandiyanto and Nazeri Muhammad. "The urgency of online learning media during the Covid-19 pandemic at the vocational school in Indonesia." *Indonesian Journal of Educational Research and Technology* 1, no. 2 (2021): 35-40. <https://doi.org/10.17509/ijert.v1i2.33368>
- [10] Pratiwi, Restiani Alia and Asep Bayu Dani Nandiyanto. "How to read and interpret UV-VIS spectrophotometric results in determining the structure of chemical compounds." *Indonesian Journal of Educational Research and Technology* 2, no. 1 (2022): 1-20. <https://doi.org/10.17509/ijert.v2i1.35171>
- [11] Winarni, Rahayu Siwi and Linna Meilia Rasiban. "Perception of japanese students in using online video as a learning media." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 15-16. <https://doi.org/10.17509/ijert.v1i1.32652>
- [12] Briones, Stephen Karl F., Rezel Joy R. Dagamac, Jayson D. David and Cherry Ann B. Landerio. "Factors affecting the students' scholastic performance: A survey study." *Indonesian Journal of Educational Research and Technology* 2, no. 2 (2022): 97-102. <https://doi.org/10.17509/ijert.v2i2.41394>
- [13] AL-Momani, Mohammad Omar and Elham Mahmoud Rababa. "Mixed education and quality standard in the university teaching: A theoretical study." *Indonesian Journal of Educational Research and Technology* 2, no. 3 (2022): 155-174. <https://doi.org/10.17509/ijert.v2i3.43655>
- [14] Morbo, Emy A. "Instructional materials and alternative teaching practices in physical education." *Indonesian Journal of Educational Research and Technology* 1, no. 2 (2021): 67-70. <https://doi.org/10.17509/ijert.v1i2.33415>
- [15] Thapwiroch, K., A. Kumlue, N. Saoyong, P. Taprasan and S. Puengsungewan. "Easy-mushroom mobile application using the Internet of Things (IoT)." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 1-6. <https://doi.org/10.17509/ijert.v1i1.32647>
- [16] Shah, Swarali Sanjay. "Teaching and learning with technology: Effectiveness of ICT integration in schools." *Indonesian Journal of Educational Research and Technology* 2, no. 2 (2022): 133-140. <https://doi.org/10.17509/ijert.v2i2.43554>
- [17] Stephen, Olabiyi O. and Olafare Oladimeji Festus. "Utilization of work-based learning program to develop employability skill of workforce (craftsmen) in construction industry towards industrial development." *Indonesian Journal of Educational Research and Technology* 2, no. 3 (2022): 179-188. <https://doi.org/10.17509/ijert.v2i3.43970>
- [18] Calixtro Jr, Vivencio L. "Health status and job performance of physical education instructors in higher education institutions." *Indonesian journal of educational research and technology* 1, no. 2 (2021): 71-76. <https://doi.org/10.17509/ijert.v1i2.33418>
- [19] Ahmad, Crizjale V. "What makes our students demotivated in learning?." *Indonesian Journal of Educational Research and Technology* 1, no. 2 (2021): 51-56. <https://doi.org/10.17509/ijert.v1i2.33409>
- [20] Jizat, Nor Atikah Md and Muhammad Suhaimi Sulong. "Lecturer perspective on informal learning activities." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 23-26. <https://doi.org/10.17509/ijert.v1i1.32660>
- [21] Lumbu-ani, Jenevieve, Hasan P. Abusama, Jasmine L. Pangarungan, Jheanese Joy L. Danozo, Marielle Joy L. Estrada, Hasandra A. Hasan and Luis Henri A. Moscoso. "Attitude of Sultan Kudarat State University laboratory high school students and teachers on proposed "no homework policy" bill." *Indonesian Journal of Educational Research and Technology* 1, no. 2 (2021): 45-50. <https://doi.org/10.17509/ijert.v1i2.33407>
- [22] Ledesma, Gio L., Karen D. Lampedario, Julius D. Pequierda and Vivencio L. Calixtro. "Online learning and academic performance of bachelor of physical education students." *Indonesian Journal of Educational Research and Technology* 1, no. 3 (2021): 135-140. <https://doi.org/10.17509/ijert.v1i3.41604>

- [23] Fadillah, Putri, Asep Bayu Dani Nandiyanto, Tedi Kurniawan and Muhammad Roil Bilad. "Internet literature: Increasing information competence in the learning process of students of class 7 middle school." *Indonesian Journal of Educational Research and Technology* 2, no. 2 (2022): 81-86. <https://doi.org/10.17509/ijert.v2i2.38642>
- [24] Ammatulloh, Mutiara Imtisyah, Noviani Permana, Rizwan Firmansyah, Lussy Nur Sa'adah, Zahra Ihsani Izzatunnisa and Dwi Iman Muthaqin. "Strengthening character education of students through civics caring apps based on m-learning during the covid-19 pandemic." *Indonesian Journal of Educational Research and Technology* 2, no. 2 (2022): 87-96. <https://doi.org/10.17509/ijert.v2i2.39633>
- [25] Bhosale, Saurabh K. "Development of a solar-powered submersible pump system without the use of batteries in agriculture." *Indonesian Journal of Educational Research and Technology* 2, no. 1 (2022): 57-64. <https://doi.org/10.17509/ijert.v2i1.37956>
- [26] Bangkerd, Paweena and Thosporn Sangsawang. "Development of augmented reality application for exercise to promote health among elderly." *Indonesian Journal of Educational Research and Technology* 1, no. 3 (2021): 77-80. <https://doi.org/10.17509/ijert.v1i3.33643>
- [27] Glorifica, Ivonne. "Media analysis of biology teaching book grade xii: A study based on science literacy category." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 17-22. <https://doi.org/10.17509/ijert.v1i1.32659>
- [28] Bermudez, T. C., A. M. Alcaide, A. M. Barcelona, E. Peralta and A. Malaco. "Online class: Its implication towards academic skills development." *Indonesian Journal of Educational Research and Technology* 1, no. 2 (2021): 61-66. <https://doi.org/10.17509/ijert.v1i2.33412>
- [29] Glushchenko, Valery Vladimirovich. "Ergo design of mentoring in the national ecosystem of vocational education in the period of the 10th technological order." *Indonesian Journal of Educational Research and Technology* 2, no. 3 (2022): 223-236. <https://doi.org/10.17509/ajse.v3i3.50799>
- [30] Abubakar, Baba Dare, Falaye Elijah Kayode, Muhammed Hauwa Abiodun, Adebayo Babatude Samson and Ambali Abdulrasaq. "Social media efficacy on prevention and control of covid-19 pandemic in Ilorin south local government area, Kwara state." *Indonesian Journal of Educational Research and Technology* 2, no. 3 (2022): 195-204. <https://doi.org/10.17509/ijert.v2i3.44154>
- [31] Ahmad, Crizjale V. "College students' perspective towards lecturers' work ethics." *Indonesian Journal of Educational Research and Technology* 1, no. 1 (2021): 27-30. <https://doi.org/10.17509/ijert.v1i1.32661>
- [32] Nandiyanto, Asep Bayu Dani, Dwi Novia Al Husaeni and Dwi Fitria Al Husaeni. "Introducing ASEAN journal of science and engineering: A bibliometric analysis study." *Journal of Advanced Research in Applied Sciences and Engineering Technology* 31, no. 3 (2023): 173-190.
- [33] Al Husaeni, Dwi Novia, Dwi Fitria Al Husaeni, Asep Bayu Dani Nandiyanto and Abdulkareem Sh Mahdi Al-Obaidi. "Introducing ASEAN Journal of Science and Engineering Education: A bibliometric analysis study for understanding internationalization." *Data and Metadata* 1 (2022): 43-43. <https://doi.org/10.56294/dm202282>
- [34] Nandiyanto, Asep Bayu Dani, Dwi Fitria Al Husaeni and Dwi Novia Al Husaeni. "Introducing ASEAN Journal for Science and Engineering in Materials: Bibliometric Analysis." *Journal of Advanced Research in Applied Mechanics* 112, no. 1 (2024): 102-113. <https://doi.org/10.37934/aram.112.1.102113>
- [35] Nandiyanto, Asep Bayu Dani, Dwi Fitria Al Husaeni and Dwi Novia Al Husaeni. "Social impact and internationalization of "Indonesian journal of science and technology" the best journal in Indonesia: A bibliometric analysis." *Journal of Advanced Research in Applied Sciences and Engineering Technology* 32, no. 2 (2023): 42-59. <https://doi.org/10.37934/araset.32.2.4259>
- [36] Ramadhan, Doni Fajar, Azhar Muhammad Fabian and Hendri Maja Saputra. "Dental suction aerosol: Bibliometric analysis." *ASEAN Journal of Science and Engineering* 2, no. 3 (2022): 295-302.
- [37] Hamidah, Ida, Sriyono Sriyono and Muhammad Nur Hudha. "A Bibliometric analysis of Covid-19 research using VOSviewer." *Indonesian Journal of Science and Technology* 5, no. 2 (2020): 209-216. <https://doi.org/10.17509/ijost.v5i2.24522>
- [38] Setiyo, Muji, Dori Yuwenda and Olusegun David Samuel. "The Concise latest report on the advantages and disadvantages of pure biodiesel (B100) on engine performance: Literature review and bibliometric analysis." *Indonesian Journal of Science and Technology* 6, no. 3 (2021): 469-490. <https://doi.org/10.17509/ijost.v6i3.38430>
- [39] Soegoto, Herman, Eddy Soeryanto Soegoto, Senny Luckyardi and Agis Abhi Rafdhi. "A bibliometric analysis of management bioenergy research using vosviewer application." *Indonesian Journal of Science and Technology* 7, no. 1 (2022). <https://doi.org/10.17509/ijost.v7i1.43328>
- [40] Mudzakir, Ahmad, Karina Mulya Rizky, Heli Siti Halimatul Munawaroh and Dhesy Puspitasari. "Oil palm empty fruit bunch waste pretreatment with benzotriazolium-based ionic liquids for cellulose conversion to glucose: Experiments with computational bibliometric analysis." *Indonesian Journal of Science and Technology* 7, no. 2 (2022): 291-310. <https://doi.org/10.17509/ijost.v7i2.50800>

- [41] Santoso, Budi, Try Hikmawan and Nani Imaniyati. "Management information systems: bibliometric analysis and its effect on decision making." *Indonesian Journal of Science and Technology* 7, no. 3 (2022): 583-602. <https://doi.org/10.17509/ijost.v7i3.56368>
- [42] Nordin, Nik Abdul Hadi Md. "Correlation between process engineering and special needs from bibliometric analysis perspectives." *ASEAN Journal of Community and Special Needs Education* 1, no. 1 (2022): 9-16.
- [43] Bilad, Muhammad Roil. "Bibliometric analysis for understanding the correlation between chemistry and special needs education using vosviewer indexed by google." *ASEAN Journal of Community and Special Needs Education* 1, no. 2 (2022): 61-68.
- [44] Mulyawati, Isah Bela and Doni Fajar Ramadhan. "Bibliometric and visualized analysis of scientific publications on geotechnics fields." *ASEAN Journal of Science and Engineering Education* 1, no. 1 (2021): 37-46. <https://doi.org/10.17509/ajsee.v1i1.32405>
- [45] Nordin, Nik Abdul Hadi Md. "A bibliometric analysis of computational mapping on publishing teaching science engineering using VOSviewer application and correlation." *Indonesian Journal of Teaching in Science* 2, no. 2 (2022): 127-138. <https://doi.org/10.17509/ijotis.v2i2.47038>
- [46] Wirzal, Mohd Dzul Hakim and Zulfan Adi Putra. "What is the correlation between chemical engineering and special needs education from the perspective of bibliometric analysis using vosviewer indexed by google scholar." *Indonesian Journal of Community and Special Needs Education* 2, no. 2 (2022): 103-110. <https://doi.org/10.17509/ijcsne.v2i2.44581>
- [47] Aguirre, Miriam Haidee. "Producción científica sobre seguridad del paciente en el área de Enfermería en Latinoamérica." *Salud, Ciencia y Tecnología* 1 (2021): 17-17.
- [48] Hernandez-Negrin, Halbert and Adrián Alejandro Vitón-Castillo. "Productivity and impact of Cuban hospitals in Scopus between 1996 and 2016." *Salud, Ciencia y Tecnología* 1, no. 1 (2022). <https://doi.org/10.56294/saludcyt202124>
- [49] Alonso, Fernando González and Javier Gonzalez-Argote. "History and Philosophy of Science in Latin America." *Salud, Ciencia y Tecnología* 1, no. 1 (2022). <https://doi.org/10.56294/saludcyt20219>
- [50] Delgado, Maria Carla Fernández, Julio Alberto Ramírez Mendoza and Alejandro Luis Cisnero Piñero. "Caracterización de la producción científica sobre baterías de litio mediante análisis de tópicos de SciVal." *Data and Metadata* 1 (2022): 5-5.
- [51] Nandiyanto, Asep Bayu Dani and Dwi Fitria Al Husaeni. "A bibliometric analysis of materials research in Indonesian journal using VOSviewer." *Journal of Engineering Research* (2021).
- [52] Maryanti, R. I. N. A., N. I. Rahayu, M. Muktiarni, D. F. Al Husaeni, A. C. H. M. A. D. Hufad, S. Sunardi and ASEP BAYU DANI Nandiyanto. "Sustainable development goals (SDGs) in science education: Definition, literature review and bibliometric analysis." *Journal of Engineering Science and Technology* 17 (2022): 161-181.
- [53] Nandiyanto, Asep Bayu Dani, D. N. Al Husaeni and D. F. Al Husaeni. "A bibliometric analysis of chemical engineering research using vosviewer and its correlation with covid-19 pandemic condition." *Journal of Engineering Science and Technology* 16, no. 6 (2021): 4414-4422.
- [54] Al Husaeni, Dwi Fitria and Dwi Novia Al Husaeni. "Computational bibliometric analysis of research on science and Islam with VOSviewer: Scopus database in 2012 to 2022." *ASEAN Journal of Religion, Education and Society* 1, no. 1 (2022): 39-48.
- [55] Nandiyanto, Asep Bayu Dani, Dwi Novia Al Husaeni, Risti Ragadhita, Meli Fiandini, Dwi Fitria Al Husaeni and Muhammad Aziz. "Resin matrix composition on the performance of brake pads made from durian seeds: From computational bibliometric literature analysis to experiment." *Automotive Experiences* 5, no. 3 (2022): 328-342. <https://doi.org/10.31603/ae.6852>
- [56] Al Husaeni, Dwi Novia. "Bibliometric analysis of briquette research trends during the covid-19 pandemic." *ASEAN Journal for Science and Engineering in Materials* 1, no. 2 (2022): 99-106.
- [57] Ragadhita, Risti and Asep Bayu Dani Nandiyanto. "Computational bibliometric analysis on publication of techno-economic education." *Indonesian Journal of Multidisciplinary Research* 2, no. 1 (2022): 213-222. <https://doi.org/10.17509/ijomr.v2i1.43180>
- [58] Al Husaeni, Dwi Novia and Dwi Fitria Al Husaeni. "How to calculate bibliometric using vosviewer with publish or perish (using scopus data): Science education keywords." *Indonesian Journal of Educational Research and Technology* 2, no. 3 (2022): 247-274.
- [59] Nandiyanto, Asep Bayu Dani and Dwi Fitria Al Husaeni. "Bibliometric analysis of engineering research using vosviewer indexed by google scholar." *Journal of Engineering Science and Technology* 17, no. 2 (2022): 883-894.
- [60] Al Husaeni, Dwi Fitria and Asep Bayu Dani Nandiyanto. "Bibliometric computational mapping analysis of publications on mechanical engineering education using vosviewer." *Journal of Engineering Science and Technology* 17, no. 2 (2022): 1135-1149.

- [61] Nandiyanto, Asep Bayu Dani, Risti Ragadhita and Muhammad Aziz. "Involving particle technology in computational fluid dynamics research: A bibliometric analysis." *CFD Letters* 15, no. 11 (2023): 92-109. <https://doi.org/10.37934/cfdl.15.11.92109>
- [62] Fauziah, Siti Pupu, Irman Suherman, Mega Febriani Sya, Martin Roestamy, Amirullah Abduh and Asep Bayu Dani Nandiyanto. "Strategies in language education to improve science student understanding during practicum in laboratory: Review and computational bibliometric analysis." *International Journal of Language Education* 5, no. 4 (2021).
- [63] Al Husaeni, Dwi Fitria, Dwi Novia Al Husaeni, Risti Ragadhita, Muhammad Roil Bilad, Abdulkareem Sh Mahdi Al-Obaidi, A. Abduh and A. B. D. Nandiyanto. "How language and technology can improve student learning quality in engineering? Definition, factors for enhancing students comprehension and computational bibliometric analysis." *International Journal of Language Education* 6, no. 4 (2022): 445-476. <https://doi.org/10.26858/ijole.v6i4.53587>
- [64] Muktiarni, M., Nur Indri Rahayu, Ai Nurhayati andika Dutha Bachari and Affero Ismail. "Concept of computational fluid dynamics design and analysis tool for food industry: A bibliometric." *CFD Letters* 16, no. 2 (2024): 1-23. <https://doi.org/10.37934/cfdl.16.2.123>
- [65] Rachmat, Bobby, Kristi Agust, Nur Indri Rahayu and M. Muktiarni. "Concept of Computational Fluid Dynamics and Its Application in Sport Science: Bibliometric Analysis of Modelling Thermal Comfort in Sport Hall." *CFD Letters* 16, no. 1 (2024): 1-21. <https://doi.org/10.37934/cfdl.16.1.121>
- [66] Al Husaeni, Dwi Fitria and Asep Bayu Dani Nandiyanto. "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." *ASEAN Journal of Science and Engineering* 2, no. 1 (2022): 19-46. <https://doi.org/10.17509/ajse.v2i1.37368>
- [67] Azizah, Nissa Nur, Rina Maryanti and Asep Bayu Dani Nandiyanto. "How to search and manage references with a specific referencing style using google scholar: From step-by-step processing for users to the practical examples in the referencing education." *Indonesian Journal of Multidisciplinary Research* 1, no. 2 (2021): 267-294. <https://doi.org/10.17509/ijomr.v1i2.37694>
- [68] Husaeni, DN Al and A. B. D. Nandiyanto. "Bibliometric analysis of high school keyword using VOSviewer indexed by google scholar." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 1-12. <https://doi.org/10.17509/ijert.v3i1.43112>
- [69] Cabrillos, Lenny E., Jegad D. Gapasin, Jeremy A. Marfil and Vivencio L. Calixtro Jr. "Examining the effects of online games on the academic performance of BPEd students of Sultan Kudarat State University, Philippines." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 13-18. <https://doi.org/10.17509/ijert.v3i1.43732>
- [70] Mulya, Muhammad Alvan, Rina Maryanti, Verra Wulandary and Asep Rudi Irawan. "The effectiveness of youtube media to improve knowledge and literacy of elementary school students." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 19-24. <https://doi.org/10.17509/ijert.v3i1.38689>
- [71] Buraimoh, Oluwaseun Funmilola, Charity HM Boor and Gboyega Ayodeji Aladesusi. "Examining facilitating condition and social influence as determinants of secondary school teachers' behavioural intention to use mobile technologies for instruction." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 25-34. <https://doi.org/10.17509/ijert.v3i1.44720>
- [72] Daramola, Florence Olutunu. "Utilization of E-Resources for Learning Among Undergraduates." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2022): 35-44. <https://doi.org/10.17509/ijert.v3i1.44731>
- [73] Mohammad, Nazeri and Arshad Jais. "Thinking outside the box from the perspective of a Malaysian school administrator during a pandemic as a new educational form." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 45-50. <https://doi.org/10.17509/ijert.v3i1.45342>
- [74] Shaturaev, Jakhongir. "Economies and management as a result of the fourth industrial revolution: An education perspective." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2022): 51-58. <https://doi.org/10.17509/ijert.v3i1.45652>
- [75] Onia, Saifaldin Idris and Amel Farage Rmadan. "Policy for distance learning in education in higher education institutions: Experiences from Sudan." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 59-68. <https://doi.org/10.17509/ijert.v3i1.46137>
- [76] Francis, Torpev Terver and Salaudeen Jaleel Baba. "Effect of concept mapping teaching approach on students' academic performance in chemistry in senior secondary schools." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 69-78. <https://doi.org/10.17509/ijert.v3i1.46145>
- [77] Akinoso, Sabainah Oyebola. "Motivation and ICT in secondary school mathematics using unified theory of acceptance and use of technology model." *Indonesian Journal of Educational Research and Technology* 3, no. 1 (2023): 79-90. <https://doi.org/10.17509/ijert.v3i1.47183>

- [78] Aguh, Justina Chinyere and Adekunle Thomas Olutola. "Examining the Challenges of Early Childhood Education in Nigeria." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 91-96. <https://doi.org/10.17509/ijert.v3i1.47991>
- [79] Bolaji, H. O. and Hassanat Abdullateef Jimoh. "Usability and utilization of ICT among educational administrators in secondary students in public school." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 97-104. <https://doi.org/10.17509/ijert.v3i2.48244>
- [80] Mirzabek, Ruzmetov. "The education and history of Timur Lenk from Uzbekistan." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 105-110. <https://doi.org/10.17509/ijert.v3i2.48279>
- [81] Nugraha, Muhamad Gina. "Scientific Approach to Enhance Scientific Literacy of Junior High School Students: Domain of Competence." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 111-118. <https://doi.org/10.17509/ijert.v3i2.49177>
- [82] Rivaldi, Muhamad and Rina Maryanti. "The effect of education on increasing student enthusiasm for learning in the transition period of online to offline learning." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 119-126. <https://doi.org/10.17509/ijert.v3i2.49886>
- [83] Ayu, Salsabilla Martina and Asep Bayu Dani Nandiyanto. "The importance of vitamin and mineral intake for 12-year-old child growth." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 127-134. <https://doi.org/10.17509/ijert.v3i2.49937>
- [84] Lao, Genebelle M., Desiree Janine F. Villamayor, Finlay Whea H. Campos, Hanz Alec Q. Dasmariñas, Jean Paul D. Dechavez and Candellen Biadoma-Toledo. "Career Choice: A Case Study of College Students Shifting Career Paths." *Indonesian Journal of Educational Research and Technology* 3, no. 2: 135-140. <https://doi.org/10.17509/ijert.v3i2.50077>
- [85] Abalos, Christian Paul G., Yvrin Gabriel D. Lagcao, Ladymer L. Peñafior, Seth Nahzier S. Perocho and Adonis S. Besa. "Enter Her Novice World: A Narrative Study on The Life of a Teenage Student–Mother." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 141-146. <https://doi.org/10.17509/ijert.v3i2.50078>
- [86] Dhairyasheel, Jadhav Sundar and Thorat Shubhada Sambhaji. "A Study of Consumer Satisfaction Towards E-Banking Facilities Provided by Private Sector Banks with The Reference Vita City and Its Correlation with The Level of Education." *Indonesian Journal of Educational Research and Technology* 3, no. 2: 147-154. <https://doi.org/10.17509/ijert.v3i2.50081>
- [87] Jadhav, Sudarshan D., Chavan Patil Sourabh Raghunath, Walandkar Ashif Hamid and More Vaishali Anil. "A study on awareness of college students about cryptocurrency and Its relation to Level of Education." *Indonesian Journal of Educational Research and Technology* 3, no. 2 (2023): 155-160. <https://doi.org/10.17509/ijert.v3i2.50083>
- [88] Ea, Erich P., Megan B. Lipura, Benj Enrick R. Halaghay and Lanz Alfred G. Tugom. "Medical Services, Patient Age and Level of Education on Its Influence on Diabetic Patients' Level of Satisfaction." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 161-166. <https://doi.org/10.17509/ijert.v3i3.50084>
- [89] Borling, Kimberline, Quezveen Bleau Lagdamen, Jerick Fegarido and Adonis Besa. "Implementation of work immersion and its effects on the social development of senior high school graduates." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 167-172. <https://doi.org/10.17509/ijert.v3i3.50086>
- [90] Da Wafi, Rigyalfa and Asep Bayu Dani Nandiyanto. "Counseling on the benefits of eating vegetables for the health of the body." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 173-178. <https://doi.org/10.17509/ijert.v3i3.50119>
- [91] Herdian, Kharisma Indah Dwi Putri and Rina Maryanti. "Titi Laras Damina Educational Learning for Senior High School Students as a Form of Cultural Preservation." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 179-186. <https://doi.org/10.17509/ijert.v3i3.50142>
- [92] Billano, Generose, Christian Angelo Aguilar, R-jay Kevin Lim, Nicole Mendoza, Darelle Faye Sebellino and Norhata Panday. "Dealing with Demons: Life of Someone Suffering from Body Shame." *Indonesian Journal of Educational Research and Technology* 3, no. 3: 187-190. <https://doi.org/10.17509/ijert.v3i3.50254>
- [93] Bolaji, Hamed Olalekan and Bashirat Funmilayo Ibrahim. "Accessibility and Usability of Information and Technology Communication: Application for Record-Keeping among Secondary School Administrators." *Indonesian Journal of Educational Research and Technology* 3, no. 3: 191-202. <https://doi.org/10.17509/ijert.v3i3.50335>
- [94] Ismail, Fathin Amirah, Jabaidah Bungsu and Masitah Shahrill. "Improving students' participation and performance in building quantities through think-pair-share cooperative learning." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 203-216. <https://doi.org/10.17509/ijert.v3i3.50348>
- [95] Omoyemiju, Michael Adeniyi. "Demographic Factors and Test Anxiety among Secondary School Students." *Indonesian Journal of Educational Research and Technology* 3, no. 3: 217-224. <https://doi.org/10.17509/ijert.v3i3.50504>

- [96] Karmaker, Ritesh and Shamoly Malaker. "Six points a legacy of historic events in Bangladesh: An education perspective." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 225-238. <https://doi.org/10.17509/ijert.v3i3.56987>
- [97] Masandal, Marrynah and Abu Yazid Abu Bakar. "Student's Willingness and Perception Towards Online Teaching and Learning Through the Psychoeducational Group Counseling Approach." *Indonesian Journal of Educational Research and Technology* 3, no. 3: 239-246. <https://doi.org/10.17509/ijert.v3i3.57196>
- [98] Jebur, Tuka Kareem. "Greening the internet of things: A comprehensive review of sustainable iot solutions from an educational perspective." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 247-256. <https://doi.org/10.17509/ijert.v3i3.57428>
- [99] Un, Sok Oeun, Kimtho Po, Kosori Thourn, Rathna Pec, Channareth Srun and Seven Siren. "Design of Emergency Position Reporting System for Disasters Using Amateur Radio and Automatic Packet Reporting System (APRS) as a Mobile Station Operator for Educational Purposes." *Indonesian Journal of Educational Research and Technology* 3, no. 3: 257-264. <https://doi.org/10.17509/ijert.v3i3.58888>
- [100] Glushchenko, V. V. "Development of The Project Approach in Engineering Higher Education." *Indonesian Journal of Educational Research and Technology* 3, no. 3 (2023): 265-280. <https://doi.org/10.17509/ijert.v3i3.61450>
- [101] Hassan, Abdulhafis Adeyinka, Habibat Bolanle Abdulkareem and Abdullahi Suleiman. "Self-concept as predictors of internet addiction among undergraduate students of Kwara State University, Nigeria." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2023): 1-8.
- [102] Sison, Arnolfo Jade Ryan N., Jason M. Bautista, Janine L. Javier, Renee Juselle B. Delmonte and Rizalyn B. Cudera. "Development and acceptability of virtual laboratory in learning systematics." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 9-26.
- [103] Kamraju, M., J. Krishnaiah, G. Durgesham, Noor Shaba, Syeda Akhtar Begum, Nazneen Fatima and Y. Madhuri. "Exploring the Impact of Online Education on Higher Education." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 27-36.
- [104] Saadu, Usman Tunde. "Availability and Utilization of Preschool Play Equipment." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 37-48.
- [105] Loisimaye, Naisiligaki and Mark Tamthai. "The Clash Between the Universal Declaration of Human Rights and Harmful Traditional Practices." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 49-58.
- [106] Ahillon Jr, Ricardo Cruz and Paulo Martin M. Aquino. "Extent of Applicability of Offline Mobile Application for Modules and Learning Packets." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 59-70.
- [107] Al Husaeni, Dwi Fitria, Dwi Novia Al Husaeni, Meli Fiandini and Asep Bayu Dani Nandiyanto. "The research trend of statistical significance test: Bibliometric analysis." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 71-80.
- [108] Kahar, Nailah, Cris Angel Abalos, Hannah Nicole Manero, Duchess Siena Ross Mosquera, Lenygel Benace Gonzales, Vivialyn Asoy, Joselyn Estrellan and April Mae Marcell. "Perceptions of Music and its Effect on the Productivity of Students." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 81-92.
- [109] Qizi, Azizova Makhbuba Khilol and Hakimova Muhabbat. "Development of Innovative Management Competencies of Students in the Context of Digitization of Education." *ASEAN Journal of Educational Research and Technology* 3, no. 1 (2024): 93-102.
- [110] Khamidullaevna, Karimova Feruza and Hakimova Muhabbat. "Methodology of Formation of students' Professional Competence Based on Innovative Approach." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2023): 111-124.
- [111] Babalola, Ebenezer Omolafe and Precious Ize Oludare. "A Quantitative Approach to Challenges Facing Online and Physical Classrooms in Higher Institution." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2024): 125-134.
- [112] Glushchenko, Valery Vladimirovich and Yusubo Hissein Allafuza Inei. "Theoretical aspects of creating a scientific and educational platform for information and trading systems." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2024): 135-146.
- [113] Salman, Azeez Arisekola, Adedayo Adesokan and Oluwadamilola Gloria Ojo. "Perceived Influence of Violent Television Show on Pupil Learning and Academic Performance." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2024): 147-156.
- [114] Jayarathna, N. G. D. A. and H. M. M. N. Herath. "Perception about Student Engagement in Blended Learning Instructional Design: Evidence from Sri Lankan Universities." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2024): 157-170.
- [115] Theron, Jurgen, Enrico Richardo, Marco Sutedjo and Muh Syarifudin. "Efforts to Improve Young Generation Problem Solving in the Era of Globalization Using Six Thinking Hats Analyzed with SPSS: Solving Literacy, Read and Hoax." *ASEAN Journal of Educational Research and Technology* 3, no. 2 (2024): 171-176.

-
- [116] Kamaldeen, Rahmat Tinuke, Kamoru Abidoye Tihamiyu and Ameenat Arinola Ogo-Oluwa. "Quality of Life Among Secondary School Teachers in Kwara State: Implication for Counselling." *ASEAN Journal of Educational Research and Technology* 3, no. 3 (2023): 177-184.
- [117] Gatchalian, Chuckee B., Joy Edilaine R. Handig and Fioglo Baluyot. "Review on utilization of visual basic software for improving students' computer programming performances." *ASEAN Journal of Educational Research and Technology* 3, no. 3 (2024): 185-196.