

Research Trend of Local Wisdom Issues Based on Scopus Journal Database: A Bibliometric Study

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Abstract—This bibliometric study delves into the multifaceted dimensions of local wisdom research based on an exhaustive analysis of scholarly publications indexed in the Scopus Journal Database. Focused on the intersection of local wisdom with education and learning, the study employs a comprehensive methodology encompassing data collection, bibliometric analysis, visualization techniques, geographical analysis, and quality assurance measures. The findings, derived from the systematic examination of 4,268 documents spanning nearly a century, reveal the evolution, contributors, and global patterns within the field. Notably, the analysis of 45 selected journal articles provides a nuanced understanding of the diverse applications of local wisdom, ranging from teacher responsibility and multicultural harmony to conservation management and innovative learning models. The robust citation counts of key studies underscore the substantial impact of local wisdom in shaping educational practices and fostering holistic development. Geographically, Indonesia emerges as a central hub of local wisdom research, with Indonesian researchers playing a pivotal role and actively engaging in international collaborations. In conclusion, this comprehensive overview not only contributes valuable insights to the ongoing discourse on local wisdom but also provides a foundation for future research endeavors, emphasizing the critical role of local wisdom in addressing global challenges and fostering sustainable solutions, particularly in the realm of education.

Keywords—local wisdom, bibliometric study, Scopus journal database, education and learning

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1. Introduction

Local wisdom, embedded in the cultural fabric of societies, represents a profound repository of indigenous knowledge that has sustained communities for generations (Berkes, 2012). In recent years, the discourse surrounding local wisdom has gained momentum within the academic sphere, as scholars recognize its significance in addressing contemporary challenges and fostering sustainable development (Reed, 2008). This research endeavors to delve into the intricate tapestry of local wisdom issues by conducting a comprehensive bibliometric study based on the Scopus Journal Database. Through an extensive analysis of scholarly publications, this study aims to elucidate the evolving trends, emerging themes, and geographical patterns associated with local wisdom research.

The concept of local wisdom, often rooted in traditional practices, holds a unique position in the global dialogue on sustainable development and cultural preservation (Toledo & Barrera Bassols, 2009). As societies grapple with the consequences of globalization, there is a growing recognition of the need to harness and integrate local knowledge systems into broader frameworks of policymaking and community development (Gadgil et al., 1993). This research seeks to contribute to this ongoing discourse by providing a systematic overview of the scholarly landscape surrounding local wisdom issues, drawing on the wealth of information available in the Scopus Journal Database.

Bibliometric analyses have become instrumental in mapping the intellectual terrain of various research domains, offering valuable insights into the growth, impact, and interconnectedness of scientific literature (Aria & Cuccurullo, 2017). In the case of local wisdom, a bibliometric approach allows us to discern the key contributors, seminal works, and thematic concentrations within the field (Van Eck & Waltman, 2010). By leveraging the rich data reservoir of the Scopus Journal Database, this study endeavors to identify pivotal milestones, influential authors, and interdisciplinary intersections that have shaped the trajectory of local wisdom research.

Furthermore, the geographical dimension of local wisdom research is a critical aspect that demands scrutiny (Windchief & Ryan, 2019). Local contexts, shaped by cultural, environmental, and historical factors, play a pivotal role in influencing the nature of local wisdom practices (Berkes et al., 2000). This research aspires to unravel the geographical distribution of scholarly output on local wisdom, shedding light on regional variations and highlighting areas where research intensity is particularly pronounced, especially in the field of education and learning. Such insights can inform policymakers, researchers, and practitioners alike, guiding them in the development of context-specific interventions and strategies that resonate with the unique dynamics of each locale.

As the world grapples with unprecedented challenges such as climate change, biodiversity loss, and social inequality, the

relevance of local wisdom in crafting resilient and sustainable solutions cannot be overstated (Berkes & Turner, 2006). This study aims to elucidate how the academic community has responded to these pressing issues through its exploration and examination of local wisdom. By identifying the thematic clusters and conceptual frameworks that have garnered scholarly attention, this research aims to provide a nuanced understanding of how local wisdom contributes to the discourse on global challenges and sustainability.

This bibliometric study represents a comprehensive effort to unravel the multifaceted dimensions of local wisdom research based on the Scopus Journal Database, especially in the field of education and learning. By exploring the evolution of scholarly discourse, key contributors, and geographical variations, this research aspires to contribute valuable insights to the ongoing dialogue on the role of local wisdom in addressing contemporary challenges and fostering sustainable development. Through this exploration, we endeavor to pave the way for future research endeavors that can build upon the foundation laid by the scholarly community and further illuminate the intricate interplay between local wisdom and global sustainability.

2. Methods

The research methodology employed in this bibliometric study involves a systematic analysis of scholarly publications indexed in the Scopus Journal Database (<https://www.scopus.com>), as in many previous studies (Sarkingobir et al., 2023; Wirzal et al., 2022). The goal is to unravel the trends, themes, and geographical patterns associated with local wisdom research. The study adopts a comprehensive approach that encompasses data extraction, bibliometric analysis, and visualization techniques.

2.1. Data Collection and Selection Criteria

The initial phase involves the systematic retrieval of relevant publications from the Scopus Journal Database. The search strategy is designed to encompass a broad spectrum of literature related to local wisdom issues. Keyword such as "local wisdom" is used to identify relevant articles, reviews, and conference papers. The inclusion criteria encompass publications spanning a specified time frame, typically from the inception of the database until the present, ensuring a comprehensive and up-to-date dataset. The selected publications are then subjected to a thorough screening process to ensure relevance and quality, thereby enhancing the reliability of the findings.

2.2. Bibliometric Analysis

The core of this study lies in the bibliometric analysis, which involves quantitative assessments of various bibliographic elements. Key metrics include publication trends, citation counts, authorship patterns, and thematic concentrations. Utilizing bibliometric, the research team conducts a rigorous analysis of the dataset to identify influential works, prolific authors, and emerging themes within the field of local wisdom research. This approach allows for the identification of seminal publications and their impact on subsequent research, providing a temporal understanding of the evolution of ideas in the domain. Data withdrawal and analysis from Scopus was carried out on 6-December, 2023.

2.3. Visualization Techniques

To enhance the interpretability of the vast dataset, visualization techniques are employed. Analyses of co-authorship maps are generated to illustrate the interconnectedness of researchers and the dissemination of ideas within the local wisdom research landscape. These visualizations serve as valuable tools for grasping the structural dynamics of the field. Additionally, geographic mapping is utilized to visualize the distribution of research output across different regions, thereby offering insights into the global landscape of local wisdom scholarship.

2.4. Geographical Analysis

Recognizing the importance of the geographical dimension in local wisdom research, this study incorporates a dedicated analysis of regional variations. By categorizing publications based on their affiliated institutions and authors' locations, the research aims to unravel patterns of research intensity across different regions. Geographical information is integrated with thematic analysis to discern how local contexts shape the focus of research within specific areas. This dual-layered approach contributes to a nuanced understanding of the interplay between cultural, environmental, and historical factors in influencing local wisdom practices and research outputs.

2.5. Quality Assurance

To ensure the reliability and validity of the findings, the research team employs rigorous quality assurance measures. These include reliability checks during the screening and categorization processes. This methodological rigor enhances the trustworthiness of the study and provides a solid foundation for drawing meaningful conclusions from the bibliometric analysis.

In summary, the methodology employed in this bibliometric study combines data collection, bibliometric analysis, visualization techniques, geographical analysis, and quality assurance measures. This comprehensive approach aims to unravel the multifaceted dimensions of local wisdom research, offering valuable insights into its evolution, contributors, and global patterns, with a particular emphasis on its implications for education and learning.

3. Results and Discussion

The first phase of identification involved examining documents retrieved from the Scopus Journal Database (<https://www.scopus.com>), utilizing the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)]. The identification

process encompassed all features without applying any filters, encompassing document attributes such as publication year, subject area, document type, publication stage, source title, keywords, affiliation, funding sponsor, country/territory, source type, and language. Figure 1 illustrates the outcomes of the analysis depicting document distribution across various years.

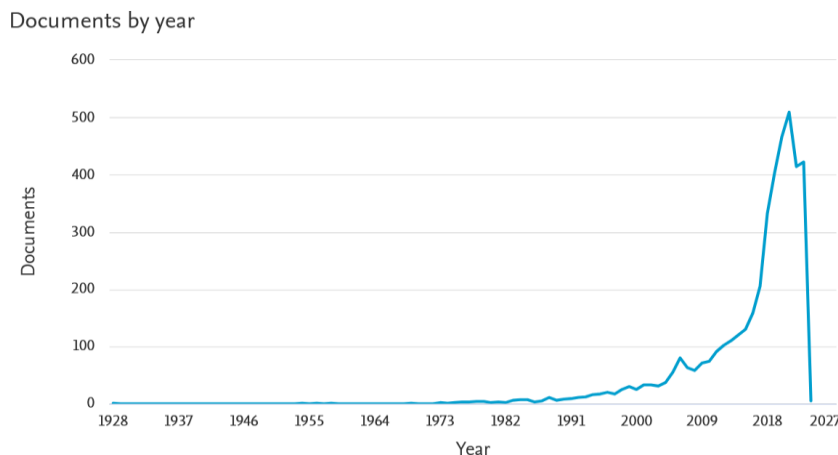


Fig 1. Identify documents from the Scopus database by year with the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)]

Based on documents by year, it was found that a total of 4.268 documents are distributed from the year 1928 up to the present. Surprisingly, five documents were even found to be published in the year 2024. This indicates that studies related to local wisdom have been extensively researched for almost a century. The highest number of documents was discovered in the year 2021, amounting to 509 documents. Furthermore, the results of the analysis of document distribution based on the source are presented in Figure 2.

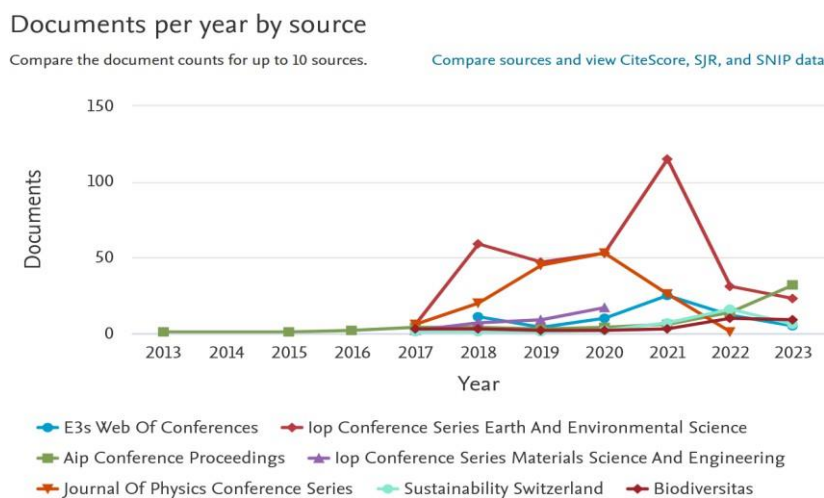
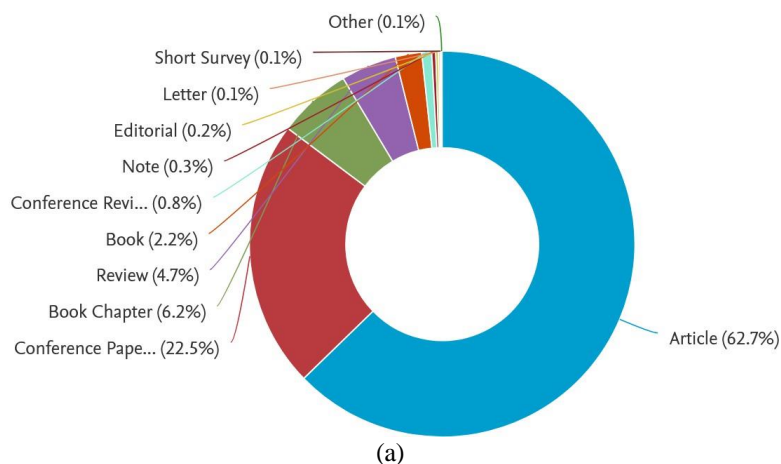


Fig 2. Identification of documents from the Scopus database based on documents per year by source using the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)].

Documents from the Scopus database, based on documents per year by source with the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)], identified seven document sources (the highest number of documents up to the year 2023). These sources include conference series such as E3S Web of Conferences, IOP Conferences, and AIP Conferences, as well as journals like Sustainability Switzerland and Biodiversitas. This implies that conference series documents dominate studies related to the theme of local wisdom when compared to journal articles. Subsequently, documents by type and subject area found within the range of 1928 to 2024 were analyzed, and the results are presented in Figure 3.

From a total of 4.268 documents across all years, the following document types were identified: articles (62.7%), conference papers (22.5%), book chapters (6.2%), reviews (4.7%), books (2.2%), conference reviews (0.8%), and the rest were other document types (see Figure 3a). Simultaneously, documents by subject area were distributed as follows: social science (22.9%), environmental science (12.1%), arts and humanities (8.1%), earth and planets (7.5%), engineering (7.1%), medicine (6.1%), business and management (5.0%), computer science (5.0%), and the remaining were in other subject areas (see Figure 3b).

Documents by type



Documents by subject area

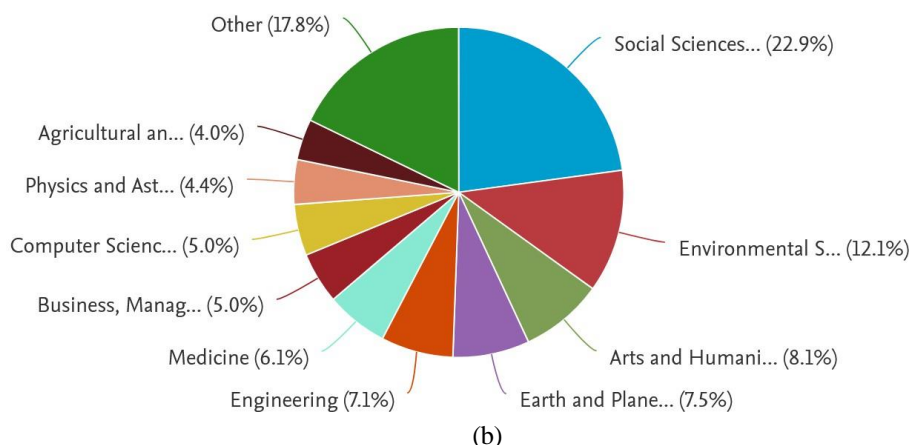


Fig. 3. The results of the document analysis: (a) by type, and (b) subject area, were found across all years using the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)].

Furthermore, the results of the analysis based on documents by author, affiliation, country/territory, and funding sponsor over the period from 1928 to 2024 are presented in Figure 4. The results in Figure 4 indicate that Indonesian researchers are the most productive in conducting studies related to local wisdom. A total of 1.673 documents were found to be authored by researchers affiliated with Indonesia, with 15 of the top researchers in this field being from Indonesia. The increased productivity of Indonesian researchers in local wisdom studies can be attributed to several key factors. Firstly, awareness of the cultural diversity and local richness in Indonesia serves as a primary motivator for researchers to explore and document local wisdom. In a society rich in traditions and local wisdom, researchers are inclined to preserve and develop knowledge passed down through generations. This creates an environment where studies on local wisdom are not only considered academic work but also a tangible contribution to cultural preservation and sustainable development.

Moreover, support from Indonesian educational institutions and the government is also a determining factor. The understanding that local wisdom can be a crucial resource for local and national development encourages researchers to focus on this topic. Research programs, grant funding, and other incentives offered by these institutions provide additional encouragement for researchers to conduct studies in the field of local wisdom. Furthermore, collaboration among researchers, universities, and the government can expedite the growth of this research by facilitating the exchange of knowledge, resources, and experiences.

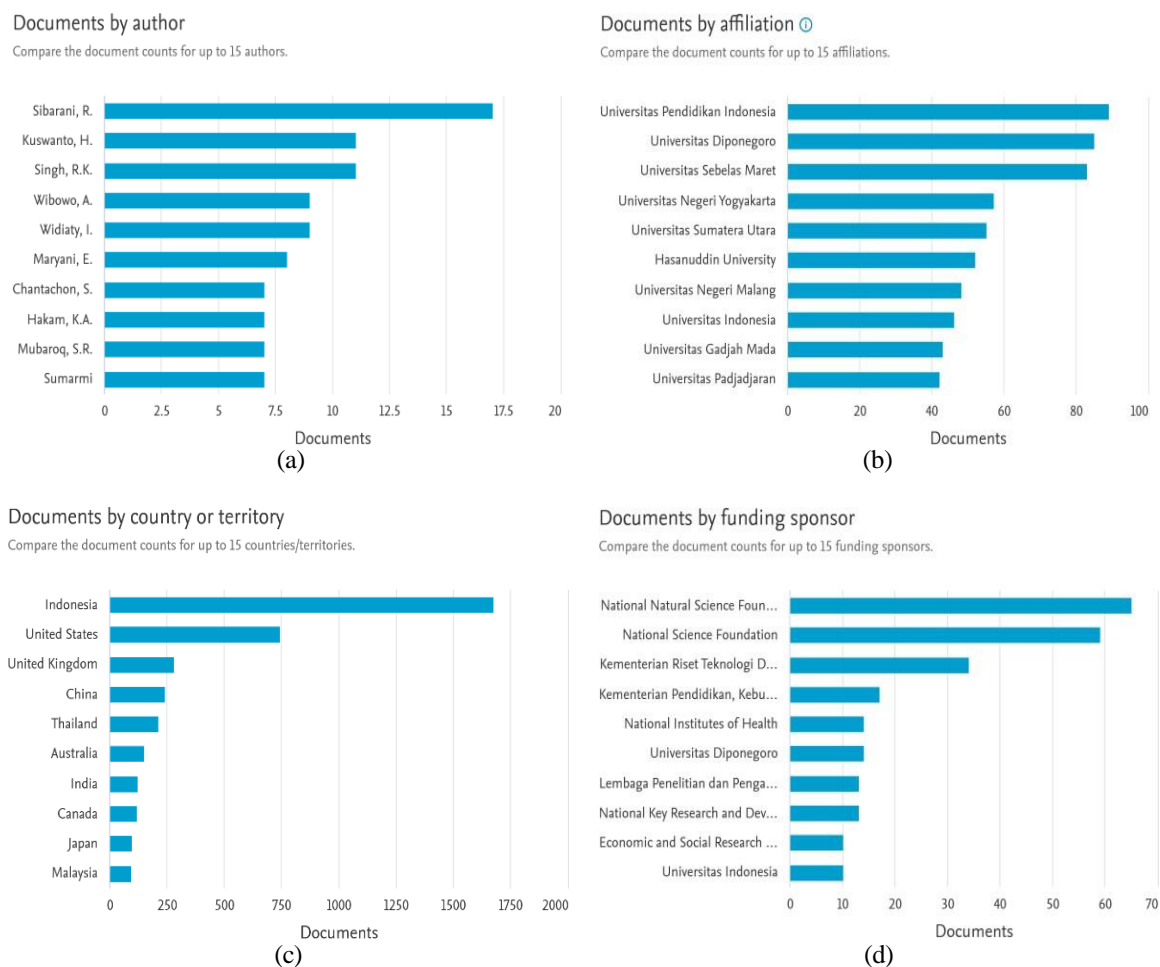


Fig. 4. The analysis results are based on: (a) documents by author, (b) affiliation, (c) country/territory, and (d) funding sponsor, over the time span from 1928 to 2024 using the keyword "local wisdom" [TITLE-ABS-KEY (local AND wisdom)].

Collaboration and networks among researchers in Indonesia also play a crucial role in enhancing productivity in local wisdom studies. Interdisciplinary collaboration not only creates an environment supportive of the exchange of ideas and methodologies but also expands access to resources and research opportunities. Indonesian researchers involved in such networks can support each other in their research processes, share local knowledge, and collectively address challenges. Additionally, conferences, seminars, and other academic forums serve as platforms for researchers to present their findings, establish new collaborations, and access additional resources.

The success of Indonesian researchers in local wisdom studies can also be seen through the positive impact of international collaborations. Active engagement in global research networks allows Indonesian researchers to gain a broader perspective, access international resources, and enhance the credibility of their research. This creates an environment supportive of cross-cultural knowledge exchange, positively influencing local wisdom research, and opening opportunities for comparisons with local contexts in other countries. Thus, these factors collectively contribute to the ecosystem supporting high research productivity in Indonesia in the context of local wisdom.

Furthermore, following the objectives of bibliometric analysis in the current study, limitations and screening were applied to several aspects, namely: (a) documents covering the last 10 years (2013 to 2023); (b) subject area focusing on social science, closely related to education and learning contexts; (c) document type from journal articles; (d) publication stage focusing on the final article; (e) source type focusing on journals; (f) keywords focusing on local wisdom; and (g) documents in English. However, there were no restrictions on affiliation, funding sponsor, and country/territory, as they did not fall within the scope of the final analysis. Based on the limitations and screening performed, documents with a distribution from 2013 to 2023 were identified, as presented in Figure 5.

The analysis of documents related to the theme of local wisdom in the last 10 years (2013 to 2023) revealed a total of 238 documents (Figure 5a). This is based on specified criteria for limitation and screening across various aspects. All documents were derived from open-access journal articles (Figure 5b) within the social science domains. Approximately 91% (217 documents) originated from Indonesia (Figure 5c), affiliated with renowned universities in Indonesia such as Universitas Negeri Yogyakarta, Universitas Sebelas Maret, Universitas Negeri Malang, Universitas Negeri Semarang, and others (Figure 5d).

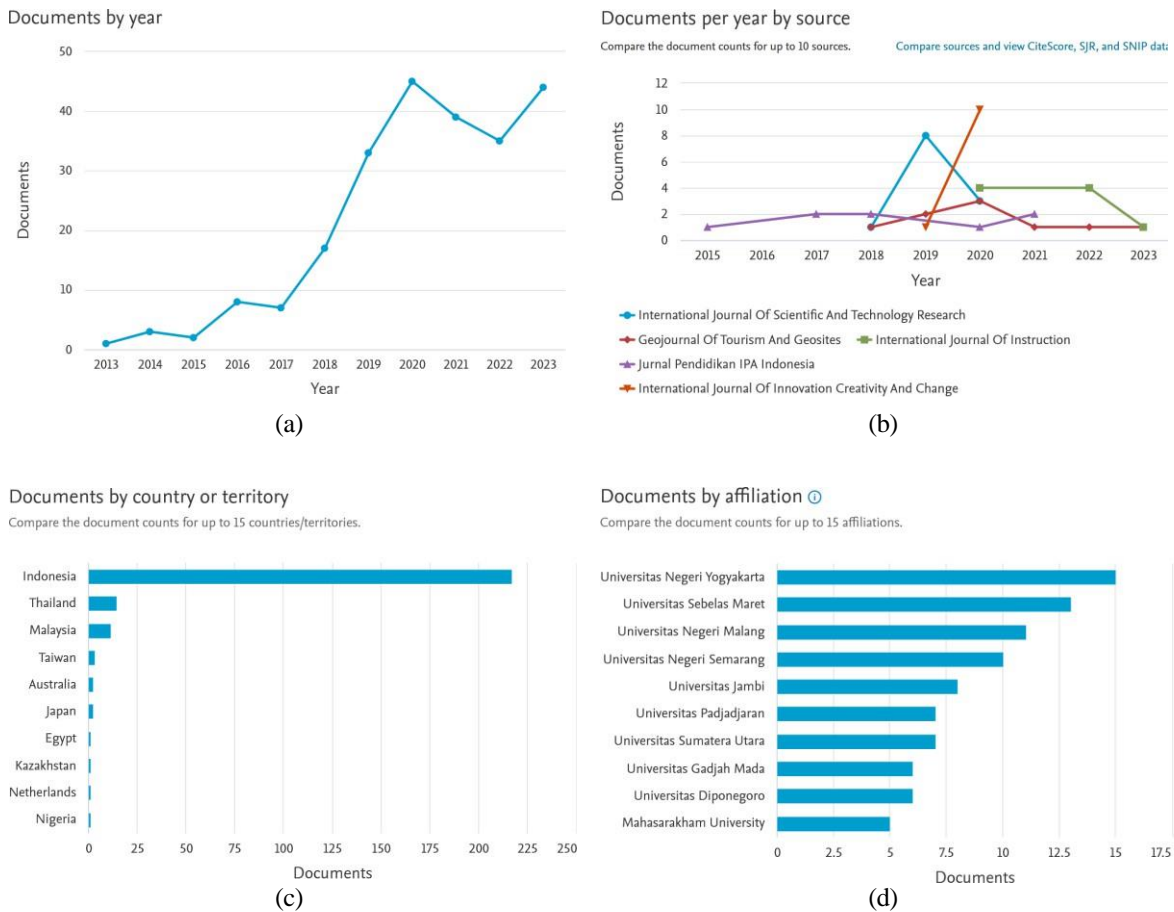


Fig. 5. The results of the document analysis with year distribution from 2013 to 2023 are based on: (a) documents by year, (b) documents per year by source, (c) documents by country/territory, and (d) documents by affiliation.

Subsequently, document eligibility was carefully examined concerning the theme of local wisdom, incorporating two criteria. The first criterion was that the document's theme (local wisdom) should be related to education and learning, and the second was that the article had been cited at least once within the analysis timeframe. The results are presented in Table 1. Documents deemed eligible for analysis then became the subject of further examination.

Table 1. The document with the theme of "local wisdom" that is eligible must meet the criteria: related to education and learning, and has been cited.

No	Author(s) & year	Study context	Citation
1	(Widana et al., 2023)	○ Examining the cause-and-effect relationship between the variables of teacher responsibility and understanding of local wisdom concepts in the autonomy of special education teachers.	1
2	(Arsal et al., 2023)	○ Analyzing local wisdom for the harmony of multicultural communities.	1
3	(Aricindy et al., 2023)	○ Describing the social life patterns in the Mula- Mula Sianjur District, particularly in the Marsiadapari tradition.	1
4	(Rasyid et al., 2023)	○ Identifying the causes of conflict in society and patterns of local wisdom in conflict resolution.	3
5	(Darmadi et al., 2023)	○ Conservation management model based on local wisdom.	1
6	(Syarifuddin et al., 2023)	○ Development of local wisdom learning based on the multiple learning object approach.	2
7	(Muhammad et al., 2022)	○ Bibliometric and Bibliographic Review on Locally Wisdom-Based Learning.	1
8	(Kurnia et al., 2022)	○ Exploring agriculture management systems based on local wisdom..	6
9	(Kamid et al., 2022)	○ Preserving local wisdom in the form of traditional kite games that can be integrated into mathematics learning.	3
10	(Lubis et al., 2022)	○ The effectiveness of problem-based learning with local wisdom oriented to socio-scientific issues.	4

11	(Tohri et al., 2022)	○ The urgency of sasak local wisdom-based character education for elementary school.	5
12	(Bulkani et al., 2022)	○ Development of animation learning media based on local wisdom to improve student learning outcomes in elementary schools.	11
13	(Saripudin et al., 2022)	○ The development of interactive E-book of local history for senior high school in improving local wisdom and digital literacy.	6
14	(Rahmattullah et al., 2021)	○ Economic learning educational practices for local values.	1
15	(Laila et al., 2021)	○ Textbooks based on local wisdom to improve reading and writing skills of elementary school students.	3
16	(Suprpto et al., 2021)	○ Indonesian curriculum reform in policy and local wisdom: Perspectives from science education.	13
17	(Astuti, 2021)	○ The student dance performance, taught by delving into local wisdom from YouTube.	3
18	(Widyatwati et al., 2021)	○ The teachings of character in local wisdom study.	1
19	(Yuliatin et al., 2021)	○ Character education based on local wisdom in Pancasila perspective.	3
20	(Kosim et al., 2021)	○ Parenting education module development based on Islamic values and Local wisdom.	1
21	(Ramdani et al., 2021)	○ The study examines the effect of science teaching materials based on the 5E learning cycle integrated with local wisdom in terms of gender on students' critical thinking skills.	21
22	(Permata-Sari et al., 2020)	○ Development of physics comic based on local wisdom: Hopscotch (engklek) game android- assisted to improve mathematical representation ability and creative thinking of high school students.	8
23	(Rosa et al., 2020)	○ The integration of collaborative problem solving with "piil pesengiri" local wisdom to build scientific attitudes.	2
24	(Smith et al., 2020)	○ Local wisdom in regenerative teacher practices.	3
25	(Harun et al., 2020)	○ Dimensions of early childhood character education based on multicultural and community local wisdom.	15
26	(Hidayati et al., 2020)	○ Exploring the implementation of local wisdom- based character education among indonesian higher education students.	43
27	(Sofyan et al., 2020)	○ Developing an electronic module of local wisdom based on the area learning model.	3
28	(Sukadari et al., 2020)	○ The implementation of character education through local wisdom-based learning.	5
29	(Fadli & Irwanto, 2020)	○ The effect of local wisdom-based ELSII learning model on the problem solving and communication skills of pre-service islamic teachers.	14
30	(Naqiyah et al., 2019)	○ Developing physics learning tools based on local wisdom.	5
31	(Gularso et al., 2019)	○ Children education based on local wisdom in Yogyakarta.	3
32	(Sujinah et al., 2019)	○ The effectiveness of local wisdom based on textbook to improve students' writing literacy.	3
33	(Sofyan et al., 2019)	○ Development of E-modules based on local wisdom in central learning model.	30
34	(Suhartini et al., 2019)	○ Social construction of student behavior through character education based on local wisdom.	9
35	(Hartini et al., 2018)	○ The development of physics teaching materials based on local wisdom to train Saraba Kawa characters.	33
36	(Atmojo et al., 2018)	○ The reconstruction of disaster knowledge through thematic learning of science, environment, technology, and society integrated with local wisdom.	21
37	(Sumardjoko & Musyiam, 2018)	○ Model of civic education learning based on the local wisdom for revitalizing values of Pancasila.	15
38	(Parwati et al., 2018)	○ Local wisdom-oriented problem-solving learning model to improve mathematical problem-solving ability.	20
39	(Khusniati et al., 2017)	○ Local wisdom-based science learning model through reconstruction of indigenous science to improve student's conservationist character.	23
40	(Setiawan et al., 2017)	○ The development of local wisdom-based natural science module to improve science literation of students.	49
41	(Andriana et al., 2017)	○ Natural science Big Book with Baduy local wisdom base media	14

		development for elementary school.	
42	(Parmin et al., 2016)	○ Preparing prospective teachers in integrating science and local wisdom through practicing open inquiry.	29
43	(Sehe et al., 2016)	○ The development of Indonesian language learning materials based on local wisdom.	3
44	(Ningrum, 2016)	○ The uniqueness of local wisdom education.	1
45	(Atmojo, 2015)	○ Learning which oriented on local wisdom to grow a positive appreciation of Batik Jumptan	14

The bibliometric analysis conducted on the data presented in Table 1 offers insights into the current research trends surrounding local wisdom issues, as indexed by the Scopus journal database. The primary focus of this study revolves around local wisdom topics intricately linked to education and learning. Criteria for inclusion in the table stipulate that the selected works must not only address these themes but also boast citations from other researchers. Each entry in the table provides a snapshot of the research landscape, featuring essential details such as authorship, publication year, the contextual framework of the study, and the number of citations garnered. Based on the predetermined eligibility criteria, 45 journal articles were found in the Scopus database (see Table 1).

Several studies delve into the intricate cause-and-effect dynamics between various variables, such as teacher responsibility and the comprehension of local wisdom concepts, particularly in the context of the autonomy of special education teachers (Widana et al., 2023). Other investigations explore the application of local wisdom to foster harmony within multicultural communities (Arsal et al., 2023). Additionally, some studies undertake a more anthropological approach, describing social life patterns in specific regions, such as the Marsiadapari tradition in the Mula-Mula Sianjur District (Aricindy et al., 2023).

Within the spectrum of local wisdom research, certain studies spotlight the conservation management practices grounded in local wisdom principles (Darmadi et al., 2023). Concurrently, other researchers explore the development of innovative models for local wisdom-based learning, employing approaches like the multiple learning object method (Syarifuddin et al., 2023). To gain a broader perspective on local wisdom-based learning across the academic landscape, a bibliometric and bibliographic review is conducted by Muhammad et al. (2022), shedding light on prevalent trends and related literature in this domain.

The application of local wisdom extends into various realms, as evidenced by studies investigating its role in agriculture management systems (Kurnia et al., 2022), the development of parenting education modules infused with Islamic values and local wisdom (Kosim et al., 2021), and its integration into the Indonesian curriculum for science education (Suprpto et al., 2021). These diverse studies underscore the multifaceted nature of local wisdom and its potential integration into numerous educational contexts.

What stands out in the analysis is the emphasis on problem-based learning with a local wisdom orientation towards socio-scientific issues (Lubis et al., 2022) and the urgency of Sasak local wisdom-based character education for elementary school students (Tohri et al., 2022). These studies not only contribute to the ongoing discourse on local wisdom but also underscore its significance in shaping educational practices and fostering character development among students.

The impact of these studies is further underscored by the citation counts they have garnered. For example, Hidayati et al.'s (2020) exploration of the implementation of local wisdom-based character education among Indonesian higher education students received 43 citations, indicating its substantial influence and resonance within the academic community. Similarly, Permata-Sari et al.'s (2020) work on developing a physics comic based on local wisdom, with an android-assisted hopscotch game, received 8 citations, showcasing its recognition within academic circles. Additionally, Hartini et al.'s (2018) research on the development of physics teaching materials based on local wisdom to train Saraba Kawa characters received 33 citations, highlighting its significance in the field of physics education.

The robust acknowledgment of these studies within the academic community further validates the importance of local wisdom in education. Setiawan et al.'s (2017) study, which developed a local wisdom-based natural science module to improve students' science literacy, received 49 citations, attesting to its substantial recognition. Similarly, Sofyan et al.'s (2019) research on the development of e-modules based on local wisdom in a central learning model received 30 citations, reaffirming its relevance in the context of developing local wisdom-based teaching materials.

The integration of local wisdom across various facets of education is evident in research covering the development of physics learning tools (Naqiyah et al., 2019), local wisdom-based models to enhance students' writing skills (Sujinah et al., 2019), and the impact of local wisdom-based learning models on the problem-solving and communication skills of pre-service Islamic teachers (Fadli & Irwanto, 2020). These studies collectively emphasize the vital role local wisdom plays in shaping pedagogical practices and fostering holistic development among learners.

In conclusion, the findings derived from the analysis of Table 1 paint a comprehensive picture of the diverse facets of local wisdom explored within the realm of education and learning. The depth and breadth of these studies, coupled with their substantial impact within academic discourse, underscore the critical importance of local wisdom as a source of inspiration and innovation in the field of education.

4. CONCLUSION

The bibliometric study conducted on local wisdom research based on the Scopus Journal Database offers a comprehensive overview of the evolving trends, influential contributors, and thematic concentrations within the field, particularly in the context of education and learning. The analysis of 45 selected journal articles reveals the multidimensional nature of local wisdom,

addressing its application in areas such as teacher responsibility, multicultural harmony, conservation management, and innovative learning models. These studies collectively underscore the significance of local wisdom in shaping educational practices, fostering character development, and contributing to sustainable solutions.

Notably, the research landscape is characterized by a strong emphasis on problem-based learning with a local wisdom orientation, highlighting its potential to address socio-scientific issues. The urgency of local wisdom-based character education for students and the development of innovative teaching materials demonstrate the practical applications of local wisdom in educational contexts. Furthermore, the extensive citation counts received by key studies, such as those exploring character education among higher education students and developing physics comics based on local wisdom, affirm the substantial impact and recognition of local wisdom within the academic community.

Geographically, Indonesia emerges as a focal point for local wisdom research, with Indonesian researchers being the most prolific contributors. This trend can be attributed to the rich cultural diversity in Indonesia, coupled with support from educational institutions and the government, fostering an environment conducive to the exploration and documentation of local wisdom. The success of Indonesian researchers is further enhanced through international collaborations, contributing to cross-cultural knowledge exchange and expanding the global impact of local wisdom research.

In essence, this bibliometric study not only provides valuable insights into the current state of local wisdom research but also lays the groundwork for future endeavors in understanding and harnessing local wisdom for educational and sustainable development purposes. As societies continue to grapple with global challenges, the role of local wisdom in crafting resilient and context-specific solutions becomes increasingly crucial, as evidenced by the multifaceted contributions highlighted in this comprehensive analysis.

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