



Analysis Bibliometric: Character Education Research in Elementary Schools on One Decades

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Article Info	Abstract
Article History Received: 2023-05-22 Revised: 2023-06-15 Published: 2023-07-10	<p>Character education is an educational process that seeks to shape a person's personality or character in order to instill them with moral ideals, ethics, and positive attitudes. Character education focuses not just on academics, but also on the development of personality traits such as attitudes, values, morality, empathy, cooperation, and creativity. Objective study This that is to find out trends and identify publications related to character education in elementary schools, and visualize them. The research method used is a bibliometric method or analysis related to character education in elementary schools. The analysis used is evaluative and descriptive bibliographic analysis. The subjects in this study were 164 publications collected from <i>the database dimensions</i> according to the specified <i>keywords</i>. The results of the study show that the number of publications related to character education in elementary schools in Indonesia has increased in recent years, starting from 2017 to 2021. The highest number of documents is at the institution or university "Indonesia University of Education" with 6 documents, in the journal "Journal of Physics Conference Series" with 5 documents, then in an article (Suriansyah, 2015) with the title "Leadership Strategies of Principals, Teachers, Parents, and Communities in Shaping Student Character". character Building is the most widely used character education <i>keyword</i> together with 133 events, <i>keywords</i> with new themes such as "character education" is not directly related to the keyword "governmnet". This means that new themes and keywords that are not directly related can be useful for further research that wants to research related to this field.</p>
Keywords: <i>Character Education;</i> <i>Bibliometric;</i> <i>Elementary Schools.</i>	

Artikel Info	Abstrak
Sejarah Artikel Diterima: 2023-05-22 Direvisi: 2023-06-15 Dipublikasi: 2023-07-10	<p>Pendidikan karakter adalah proses pendidikan yang berusaha membentuk kepribadian atau watak seseorang agar ditanamkan cita-cita moral, etika, dan sikap positif. Pendidikan karakter tidak hanya berfokus pada akademik, tetapi juga pada pengembangan sifat-sifat kepribadian seperti sikap, nilai, moralitas, empati, kerja sama, dan kreativitas. Tujuan penelitian ini yaitu untuk mengetahui tren dan mengidentifikasi publikasi terkait pendidikan karakter di sekolah dasar, dan memvisualisasikannya. Metode penelitian yang digunakan adalah metode bibliometrik atau analisis yang berkaitan dengan pendidikan karakter di sekolah dasar. Analisis yang digunakan adalah analisis kepustakaan evaluatif dan deskriptif. Subyek dalam penelitian ini sebanyak 164 publikasi yang dikumpulkan dari database dimensi sesuai dengan kata kunci yang ditentukan. Hasil kajian menunjukkan bahwa jumlah publikasi terkait pendidikan karakter di sekolah dasar di Indonesia mengalami peningkatan dalam beberapa tahun terakhir, mulai dari tahun 2017 hingga tahun 2021. Jumlah dokumen terbanyak terdapat pada lembaga atau universitas "Universitas Pendidikan Indonesia" dengan 6 dokumen, dalam jurnal "Journal of Physics Conference Series" sebanyak 5 dokumen, kemudian dalam artikel (Suriansyah, 2015) dengan judul "Strategi Kepemimpinan Kepala Sekolah, Guru, Orang Tua, dan Masyarakat dalam Membentuk Karakter Siswa". kata kunci pendidikan karakter yang paling banyak digunakan bersama dengan 133 peristiwa, kata kunci dengan tema baru seperti "pendidikan karakter" tidak terkait langsung dengan kata kunci "pemerintahan". Artinya, tema dan kata kunci baru yang tidak terkait langsung dapat berguna untuk penelitian selanjutnya yang ingin meneliti terkait bidang ini.</p>
Kata kunci: <i>Bibliometrik;</i> <i>Pendidikan Karakter;</i> <i>Sekolah Dasar.</i>	

I. INTRODUCTION

A person's life is greatly affected by his or her character or personality, both personally and socially (Intania & Sutarna, 2020). Good character can facilitate the development of healthy and harmonious relationships with others, whether at home, with friends, or at work. In addition, good character helps a person have a positive outlook on life, such as a love for learning and growth, self-assurance, and optimism. Under-

standing fundamental moral ideals, such as honesty, integrity, accountability, and tolerance, also requires a strong moral character. In addition, a person with a good character has strong motivation and discipline, allowing him to achieve success in a variety of professions. To take an active part and contribute to the improvement of the social environment, a strong moral compass is crucial in the setting of society (Hogan & Sherman, 2020).

Character and personality have a crucial influence in education (Khaidir & Suud, 2020). Character education fosters personality traits such as attitudes, values, morality, empathy, cooperation, creativity, and social awareness in addition to academic skills. Character education is crucial for molding the character of children and adolescents who have strong moral and ethical beliefs and are capable of becoming contributing members of society. Teachers and parents play a crucial part in character education by parenting and instilling moral principles in youngsters.

Character education is an educational process that seeks to shape a person's personality or character in order to instill them with moral ideals, ethics, and positive attitudes. Character education focuses not just on academics, but also on the development of personality traits such as attitudes, values, morality, empathy, cooperation, and creativity. Character education is essential for the formation of a decent individual who is independent, responsible, and engaged in society (Tan et al., 2018). Teachers and parents play a crucial part in character education by parenting and instilling moral principles in youngsters.

In addition, character education can increase the overall quality of education since students with excellent character tend to be more engaged and enthusiastic about learning, as well as self-disciplined and goal-driven (Simanjuntak, 2020). This can also assist in reducing negative behaviors such as bullying, smoking, drinking, drug use, etc. In an era of globalization and rapid technological advancement, character education can also assist children and adolescents in developing the adaptability and inventiveness necessary to face future changes and difficulties. Thus, character education is not only crucial for molding the better character of children and adolescents, but also for enhancing the overall quality of education and preparing them for future difficulties.

Therefore, character education is crucial for forming the character of children and adoles-

cents who have strong moral and ethical beliefs and are capable of becoming contributing members of society. Teachers and parents play a crucial part in character education by parenting and instilling moral principles in youngsters. Thus, character education focuses not only on academics, but also on the development of personality traits such as attitudes, values, morality, empathy, cooperation, creativity, and concern for others. In recent years, a great deal of research has been conducted on character education in the learning process; therefore, a method is required to examine the outcomes of the published study. Bibliometric analysis is one way for examining publication results in certain fields. Bibliometric analysis research has been conducted in numerous educational sectors (Sanusi et al., 2023; Triansyah et al., 2023).

This study aims to identify publications related to character education in the learning process and to explain the characteristics of these studies. In this study, bibliometric analysis was used to explore the characteristics of publications on character education, factors related to these publications, and to analyze the direction of research focus in this field.

II. METHOD

This study aims to identify trends and identify publications related to character education in elementary schools, and visualize them. The research method used is a bibliometric method or analysis related to character education in elementary schools. The analysis used is evaluative and descriptive bibliographic analysis. The subjects in this study were 164 publications collected from *the database dimensions* according to the specified *keywords*. *Keyword* in this study, namely, character education and elementary schools. All 164 publications come from articles or journals. Publications that have been collected from *the database dimensions* based on *keywords* determined in the last ten years (2013 - 2023) which are then displayed with three types of visualizations in the *VOSviewer application*, namely, *network visualizations*, *overlays visualization*, and *density visualization*. The indicators in this study are by paying attention to the number of publications, the number of citations from institutions or universities, the number of citations from journals, the number of citations from documents, and the appearance with the author's *keywords*.

Database dimensions used in finding the required data source with PoP applications. The data that has been obtained is collected in one

file in *RIS* and *CSV format*, the file is then entered by the researcher in the *VOSviewer application*. Then, the researcher used the *VOSviewer application* to analyze and visualize and evaluate all information about publications related to character education in elementary schools, such as: country bibliographical pairs, institutional bibliographical pairs, journal bibliographical pairs, and co-occurrence of author keywords. Because the researcher only focuses on character education research in one country, namely Indonesia, the country bibliography pairs are not used in this study. According to Dewi, Widodo, Rochintaniawati, & Prima (2021) there are five research stages in bibliometric analysis, the five stages are, 1) keyword investigation; 2) reduction of initial search; 3) reduction of total initial quests; 4) initial statistical image complications; and 5) data interpretation in analytical narrative.

For this reason, researchers follow these steps or stages including, 1) keyword investigation; the researcher defines the keywords "character education in elementary schools"; 2) reduction of the initial search: after we define keywords in stage one, then we do a search for these keywords with *the database dimensions*; 3) reduction of the initial search total; in this third stage the researcher determines the threshold according to the needs of the *VOSviewer application* to select related publications that have been obtained in the previous stage; 4) Complication of preliminary statistical images: at this stage the researcher groups data as topic descriptions such as pairs of bibliography of institutions, journals, documents, and co-occurrence of author keywords; 5) interpretation of data in analytical narrative: at this last stage the researcher interprets data from *visualization* that has been obtained with *VOSviewer* which can then be developed by researchers.

III. RESULT AND DISCUSSION

In presenting the results of the bibliometric analysis in this study refers to (Donthu et al., 2021; Ellili, 2022) starting from the number of documents and citations from countries, institutions, journals, authors, and the appearance of *the keyword* Together. Because this bibliometric analysis research was carried out in only one country, namely Indonesia, the researcher started according to needs starting from the number of citations and publications from institutions or universities, journals, and documents followed by the results of the analysis

of the emergence of shared keywords *which* were visualized with *VOSviewer* such as: *Network Visualization* and *Overlays Visualization* (Muhammad et al., 2023).

Initially, there are 2996 publications in *the database* published *dimensions related to character education*. However, after researchers narrowed down the keyword to character education in elementary schools in Indonesia, it was published in the *database dimensions* into 164 publications. As shown in the table below.

Table 1. Number and percentage of character education publications in elementary schools (2013-2023)

No	Year of Publication	Number of Publications	Percentage
1	2023	5	3 %
2	2022	36	22 %
3	2021	40	24 %
4	2020	25	15 %
5	2019	26	16 %
6	2018	19	12 %
7	2017	6	4 %
8	2016	0	0
9	2015	5	3%
10	2014	0	0
11	2013	2	1 %
Total		164	100.00 %

In the table above it can be seen that the highest number of publications per year is in 2021, namely 40 publications or 40%, an increase from 2017 where there were only 6 publications and then to more than 40 publications in the following years. Of the 164 publications, most are from articles or journals. Documents on the *database dimensions* are often used as references or often cited in other research, meaning that the more the number of citations or citations from a document, the more research results from the document have been used as references in other research (Supinah & Soebagyo, 2022). For this reason, researchers use the number of publications and the number of citations in sorting institutions and journals.

1. Institute Bibliography Partner

Indexed document *The dimensions* related to character education in elementary schools in Indonesia were published from several institutions or universities. The ten institutions or universities with the highest number of citations followed by the number of publications are shown in the table below as follows.

Table 2. Institutions that have the most number of documents related to character education in elementary schools in Indonesia

No	Name of Institution or University	Number of documents	Number of quotes
1	Indonesian University of Education	8	20
2	State University of Jakarta	6	16
3	State University of Malang	5	1
4	Eleven March University	4	9
5	Yogyakarta State University	4	2
6	Ahmad Dahlan University	4	1
7	Muhammadiyah University of Surakarta	3	9
8	Holy State Islamic Institute	2	5
9	University of Brawijaya	2	4
10	State University of Padang	2	1

In the table above, shows the trend of institutions or universities with the highest number of citations regarding character education in elementary schools in Indonesia, it can be seen that Indonesia University of Education tops the list with 8 documents and 20 citations, followed by State University of Jakarta is in second place with 6 total documents and 16 citations. In the top 10 institutions or universities above, 9 institutions or universities come from the island of Java, namely, the top 9 institutions, while 1 other institution comes from outside the island of Java, which is ranked 10th, State University of Padang. This indicates that research interest in character education in Indonesia has not been evenly distributed, nine out of ten institutions with the highest number of documents come from the island of Java. This means that there are still very few research results that discuss character education in mathematics education at institutions or universities on other large islands such as Sumatra, Kalimantan, Sulawesi and Papua.

2. Journal Bibliography Pair

Indexed document *dimensions* of character education in elementary schools are published in national and international journals. Of the

164 documents that have been collected, researchers use the *VOSviewer application* to see journal bibliography pairs, then researchers sort journals based on the number of documents. The ten journals with the highest number of documents are presented in the following table.

Table 3. Journals that have the highest number of documents related to character education in elementary schools in Indonesia

No	Name of Institution or University	Number of documents	Number of quotes
1	Journal of Physics Conference Series	5	6
2	Social Humanities and Educational Studies Conference Series	3	1
3	Academia Open	3	0
4	Kne Social Sciences	3	0
5	Jurnal Cakrawala Pendidikan	2	19
6	Humanities & Social Sciences Reviews	2	10
7	Jurnal Pendidikan Sekolah Dasar	2	10
8	Humanus	2	7
9	Elementary Islamic Teacher Journal	2	5
10	Top Conference Series Materials Science and Engineering	2	4

From table 3 above, shows the trend of journals with the highest number of documents regarding character education in elementary schools in Indonesia, it can be seen that the journal "Journal of Physics Conference Series" is at the top with 5 documents and 6 citations, followed by the journal "Social Humanities and Educational Studies Conference Series" is in second place with 3 number of documents and 1 quotation. In the top 10 journals above, 3 of them indexed Scopus namely, Journal of Physics Conference Series, Jurnal Cakrawala Pendidikan and Humanities & Social Sciences Reviews. The three journals indexed by Sinta 3 are Jurnal Pendidikan Sekolah Dasar, Humanus and Elementary Islamic Teacher Journal. While the other 4 indexed by google scholar. This means that the results of research on character education are in accordance with *the focus and scope* in the journals above, so that it is useful for researchers who want to publish research

in Indonesia. For more details regarding the use of shared *keywords* can be seen in the following table.

Table 5. *Keywords* that have the most occurrences related to character education in elementary schools in Indonesia

No	Keyword	Joint events
1	Character Building	133
2	Student	120
3	Study	114
4	character	111
5	Elementary School	106
6	Research	97
7	Teacher	70
8	Education	60
9	technique	56
10	Value	56
11	Observations	55
12	Development	51
13	Child	50
14	Activity	49
15	approach	49

In the table above it can be seen that Character Building is of great interest to researchers, this can be seen by the use of *keywords* along with 133 articles. Continued with students with 120 joint events, in third place is the keyword "study" with 114 joint events. Other *keywords* that are also included in the most common occurrences are character, elementary school, research, teacher, education, technique, values and others. The results of the network visualization in Figure 2 show that there are 4 clusters with 61 items regarding character education in elementary schools in Indonesia, namely, 1) Cluster 1 (red in color) consists of 22 items; 2) cluster 2 (in green) consists of 19 items; 3) cluster 3 (dark blue) consists of 13; 4) cluster 4 (in yellow) consists of 7 items.

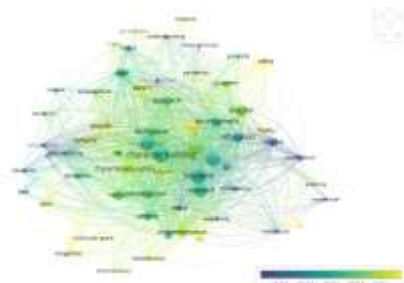


Figure 3. *Overlay Visualization of the emergence of shared keywords based on the year of publication*

From the picture above, there are three different colors, the yellow color indicates

these *keywords* are used together around 2021 to 2023, while the blue color shows the use of *keywords* together around 2013 to 2018, and the green color around 2019-2020. This indicates a change in terms within a certain period of time. *The keywords* that are the new theme are parent, character education, culture, behavior, attitude, and facility. That is, there is a change in the term from character building to character education. To see the relationship between *keywords* one with the other, can be seen from *the link* provided. From Figure 2, it can be seen that *the keyword* with theme new like "character education" yet related in a manner direct with the keyword "governnet. It means theme new as well as keywords that have not related in a manner direct can useful For study Next, those who want to review related field this.

From the results of the discussion above, research or the number of publications related to character education in elementary schools in Indonesia has increased a number of year final that is start from 2017 hinnga _ in 2021, the largest number of documents is at the institution or university "Indonesia University of Education" with 6 documents, in the journal "Journal of Physics Conference Series" with 5 documents, then in an article (Suriansyah, 2015) with the title "Leadership Strategies of Principals, Teachers, Parents, and Communities in Shaping Student Character". character Building is the most widely used character education *keyword* together with 133 events, *keywords* with new themes such as "character education" is not directly related to the keyword "governnet. This means that new themes and keywords that are not directly related can be useful for further research that wants to research related to this field.

IV. CONCLUSION AND SUGGESTION

A. Simplan

From the results and discussion above, it can be concluded that research or the number of publications related to character education in elementary schools in Indonesia has increased in recent years, starting from 2017 to 2021. The highest number of documents is at the institution or university "Indonesia University of Education" with 6 documents, in the journal "Journal of Physics Conference Series" with 5 documents, then in an article (Suriansyah, 2015) with the title "Leadership Strategies of Principals, Teachers, Parents,

and Communities in Shaping Student Character". character Building is the most widely used character education keyword together with 133 events, keywords with new themes such as "character education" is not directly related to the keyword "government". This means that new themes and keywords that are not directly related can be useful for further research that wants to research related to this field. Then for further research to expand keywords which will be used on research topics, and in searching or collecting data can use databases other than dimensions such as Scopus and WoS.

B. Suggestion

Discussion regarding this research is still very limited and requires a lot of input. Suggestions for future authors are to study more deeply and comprehensively about Analysis Bibliometric: Character Education Research in Elementary Schools on One Decades.

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