

## Research Trends On Character Education Based On Scopus Database From 2018 To 2023: A Bibliometric Analysis

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### ABSTRACT

This article presents a bibliometric analysis of “Character Education” research trends based on the Scopus database from 2018 to 2023. Data collection involved 569 metadata of relevant articles in character education from reputable sources. The study aims to provide a comprehensive insight into the scientific development in character education and identify key topics and contributors in academic studies during this period. The bibliometric analysis method examined research trends, topic classifications, and author and institutional collaborations. The research results indicate that character education has become a significant issue in education during this timeframe, with a noteworthy growth in research attention. Top contributing authors and university affiliations were also identified, highlighting inter-institutional collaborations and continuity in building knowledge in the field of character education. The findings from this bibliometric analysis can guide academics, researchers, and practitioners in developing more effective character education strategies that positively impact moral and ethical development among students and individuals in society. This article can significantly contribute to understanding trends and future directions in "Character Education" research and enhancing comprehension of the challenges and opportunities in this field.

**Keywords:** Bibliometric, Character Education, Scopus database

## A. INTRODUCTION

Education plays a pivotal and central role in shaping and developing human potential (Berkowitz, 2022). The primary goal of education is to create positive transformations within individuals, including the development of strong and virtuous character. Proper education can transform undesirable traits into better and dignified attitudes (Bahri et al., 2022; Bourke et al., 2020). Beyond developing intellectual intelligence, education also focuses on personal and character development (Chairunnisa, 2022; Dzo'ul Milal et al., 2020). In this process, national and societal values are the foundation for building character strength. Instilling these values becomes the primary basis for forming good and commendable personalities, reflected in everyday attitudes and actions as family members, members of society, and citizens.

The importance of education in fostering good character cannot be underestimated. Education plays a strategic role in enhancing the quality of a nation's human resources (Hatchimonji et al., 2022; Maisyaroh et al., 2023). As a fundamental pillar of nation-building, the state is responsible for providing equal educational opportunities to every citizen. By providing equitable educational opportunities, it is hoped that society will acquire the knowledge, attitudes, and basic skills needed to participate in social life actively, contribute to the community, and engage in nation-building (Rindrayani, 2020; Sufanti et al., 2021).

In this perspective, education is not merely an instrument for knowledge transfer but also aims to shape character and values that reflect high human qualities. Thus, education becomes a strong foundation for forming individuals of integrity and positive contributors to community and nation-building (Webster, 2021; Zulela et al., 2022). Through appropriate education, it is expected that a generation will emerge with superior personalities, social souls, and a strong sense of responsibility towards the future of the nation and the world. Education plays a vital role in shaping individual character and morality. The values taught through education create a solid foundation for developing ethical and dignified human beings who contribute positively to society and the nation (Syamsi & Tahar, 2021; Tohri et al., 2022). Therefore, serious attention must be given to quality education that is equitable and oriented towards building strong character in future generations.

Character education has become a central issue in the field of education (Amri et al., 2020; Chairunnisa, 2022), as it acknowledges the importance of shaping individuals with morality, ethics, and good values (Bahri et al., 2022; Birhan et al., 2021). The character education approach emphasizes the development of strong character, morals, and ethics in the younger generation to create a better society. In recent years, character education has received significant attention at various educational levels, ranging from preschool to higher education

(Birhan et al., 2021; Bujuri et al., 2023). This means that research in this field has become increasingly relevant and receives significant attention.

Bibliometric analysis provides an overview of the research development in "Character Education" during a specific research period. It involves analyzing classifications based on the most frequent topics, author and institutional collaborations, and influential publications in this field (Andriyani et al., 2023; Jannah & Ramadhan, 2022; Kamil et al., 2023). Through this analysis method, the latest research trends are depicted, and key contributors in relevant academic studies are identified (Safitri & Ramadhan, 2023). In order to understand and identify current research trends in this field, bibliometric research becomes an effective tool to provide insights into scientific contributions and research developments. This article discusses a bibliometric analysis of research trends in "Character Education" based on the Scopus database for the period 2018 to 2023.

The purpose of this research is to provide in-depth insights to academics, researchers, and practitioners in understanding the research trends in "Character Education" during the period 2018 to 2023. The results of this bibliometric analysis are expected to provide guidance for the development of more effective and relevant character education strategies, as well as to enhance understanding of the importance of strengthening character education within the education system. This article has the potential to make a significant contribution in guiding further research development and addressing challenges in promoting character values and morality in education more holistically.

## **B. METHOD**

This research employs a bibliometric approach to analyze the research trends of "Character Education" from 2018 to 2023 based on the Scopus database. The bibliometric approach serves as an effective analytical tool to identify and depict scientific progress and research contributions within a specific field. The first step in this research method is to access and acquire data from the Scopus database. The search criteria utilized to identify articles include the usage of the keywords "Character Education" in the title or abstract, with a publication date limitation between 2018 and 2023. The keywords used are as follows:

“TITLE-ABS-KEY ( "character building" OR "character education" ) AND ( LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2019 ) OR LIMIT-TO ( PUBYEAR , 2020 ) OR LIMIT-TO ( PUBYEAR , 2021 ) OR LIMIT-TO ( PUBYEAR , 2022 ) OR LIMIT-TO ( PUBYEAR , 2023 ) ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) ) AND ( LIMIT-TO (

PUBSTAGE , "final" ) ) AND ( LIMIT-TO ( SRCTYPE , "j" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )”

Once the data is obtained, metadata from 569 relevant articles that meet the criteria are collected. Subsequently, the collected data will be processed and analyzed using appropriate bibliometric software. The bibliometric analysis will encompass various aspects, including the frequency of research based on publication years, the most productive authors, leading university affiliations, and the most frequently occurring keywords in the research. Additionally, the analysis will involve classifying topics based on the most frequently occurring themes in the articles, as well as author and institutional collaborations in relevant research.

This research utilizes data sourced from the Scopus database, which is known as a reliable source for scholarly publications. Thus, this bibliometric analysis is expected to provide objective and accurate insights into current research trends in the field of "Character Education" and scientific contributions during the period from 2018 to 2023. This research method offers a robust and scientific approach to understanding the direction of research developments in this important field and can make a significant contribution to academics, researchers, and practitioners in comprehending and developing character education within the education system in a more holistic and impactful manner. The bibliometric analysis will be conducted with the assistance of R Program and Biblioshiny.

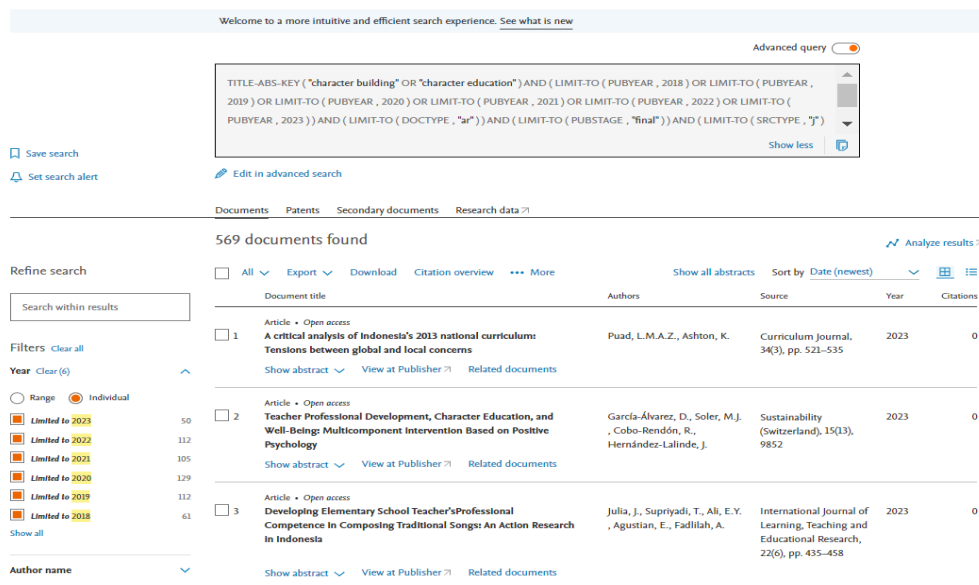


Figure 1. Search Results of Keywords with the Scopus Database.

## C. RESULT AND DISCUSSION

### Main Information About Data

Character education has become a major focus in the world of education as an effort to shape individuals who are not only academically intelligent but also possess good morals and ethics. The significant role of scientific research in this field provides a deeper insight into trends and developments in character education. Therefore, in this article, we present a bibliometric analysis of research trends in "Character Education" based on data from the Scopus database for the period from 2019 to 2023. This analysis includes a total of 569 relevant articles, and we will provide a detailed description of the findings in the Table 1. below.

Table 1. Main Information About Data

Description	Results
<b>MAIN INFORMATION ABOUT DATA</b>	
Timespan	2018:2023
Sources (Journals, Books, etc)	261
Documents	569
Annual Growth Rate %	-3,9
Document Average Age	2,57
Average citations per doc	3,953
References	23250
<b>DOCUMENT CONTENTS</b>	
Keywords Plus (ID)	388
Author's Keywords (DE)	1647
<b>AUTHORS</b>	
Authors	1501
Authors of single-authored docs	129
<b>AUTHORS COLLABORATION</b>	
Single-authored docs	141
Co-Authors per Doc	3,12
International co-authorships %	9,139

This bibliometric article aims to analyze research trends in the field of "Character Education" based on the Scopus database for the period from 2019 to 2023. In this analysis, the data used includes 569 documents from 261 different sources. There is a decrease in the

number of publications by -3.9% each year, indicating a decline in interest in "Character Education" research during that time span. However, the average age of the documents found is 2.57 years, indicating that the majority of the analyzed articles are relatively new. These articles are also significantly cited, with an average of 3.953 citations per document, demonstrating that the topic of "Character Education" receives attention and recognition from researchers.

Within the article content, there are 388 Keywords Plus related to "Character Education," reflecting other aspects of this topic that capture the attention of authors. Additionally, there are 1647 Author's Keywords that help describe the variety of topics and approaches in "Character Education" research. In terms of authors, a total of 1501 authors were involved in these articles, and interestingly, 129 of them wrote articles independently without collaboration. However, the majority of articles involve multiple authors, with an average of 3.12 collaborative authors per document. Although this research is conducted by various authors, international author collaboration only constitutes 9.139% of the total collaborations, indicating further opportunities for global collaboration in "Character Education" research. Overall, this bibliometric analysis provides a comprehensive overview of research trends in "Character Education" from 2019 to 2023 based on the Scopus database. This information can be crucial reference for academics, practitioners, and policymakers in understanding the development of this topic and identifying potential future collaborations.

### **3.1 Most Relevant Authors**

In the academic world, research is a crucial aspect in the advancement of knowledge. The research conducted by authors serves as the foundation for progress in various disciplines. In this context, we present a graph that illustrates the contributions of some authors to the number of articles they have published. This graph focuses on the top ten authors with the highest number of publications in the database we analyzed. Thus, this analysis provides insights into the individual's role in producing scientific works. Below is a descriptive account of the graph that records the contributions of the top ten authors in terms of the number of articles they have published.

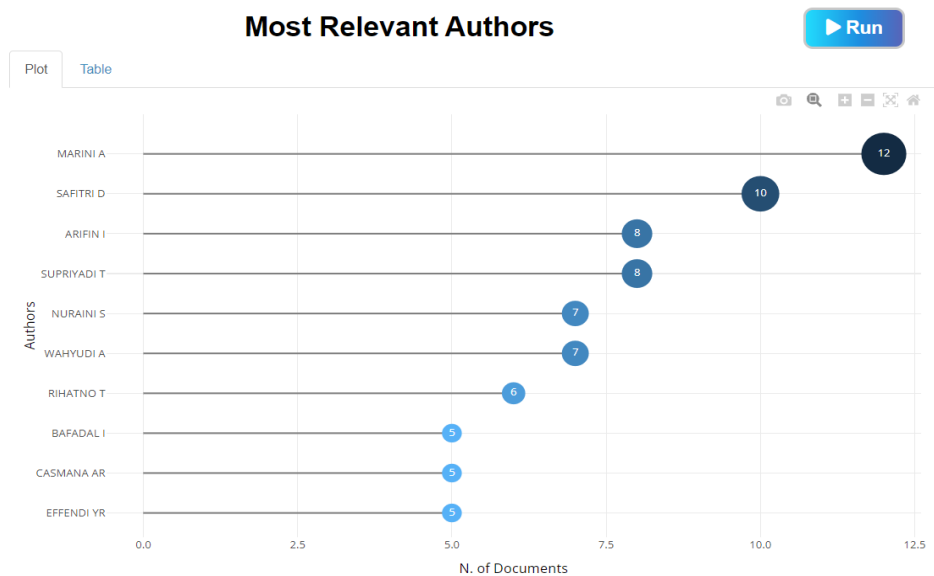


Figure 2. Most Relevant Authors

In the academic world, research is a crucial aspect in the advancement of knowledge. In this article, we present a graph that illustrates the contributions of the top ten authors in terms of the number of articles they have published. The graph records the number of articles produced by each author during the analysis period. The top ten authors are as follows: Marini A with 12 articles, Safitri D with 10 articles, Arifin I and Supriyadi T with 8 articles each, and Nuraini S and Wahyudi A with 7 articles each. Additionally, there are Rihhatno T, Bafadal I, Casmana AR, and Effendi YR with 6, 5, 5, and 5 articles respectively, listed in the database. The consistent contributions of these authors reflect their dedication and commitment to producing relevant and meaningful scientific works. Their research has provided valuable contributions to the development of knowledge in the relevant field and has driven overall scientific progress.

### 3.2 Most Relevant Sources

Character education plays a crucial role in shaping a generation with good morals and ethics. Academics and researchers from various parts of the world actively contribute their thoughts and current research to promote the development of quality character education. Scientific journals serve as the main channel for presenting and disseminating these research findings. In this article, we will discuss a graph that showcases the top ten leading journals that have published articles related to "Character Education." This graph provides an overview of

the contributions of these journals in presenting relevant and innovative research to advance the field of character education.

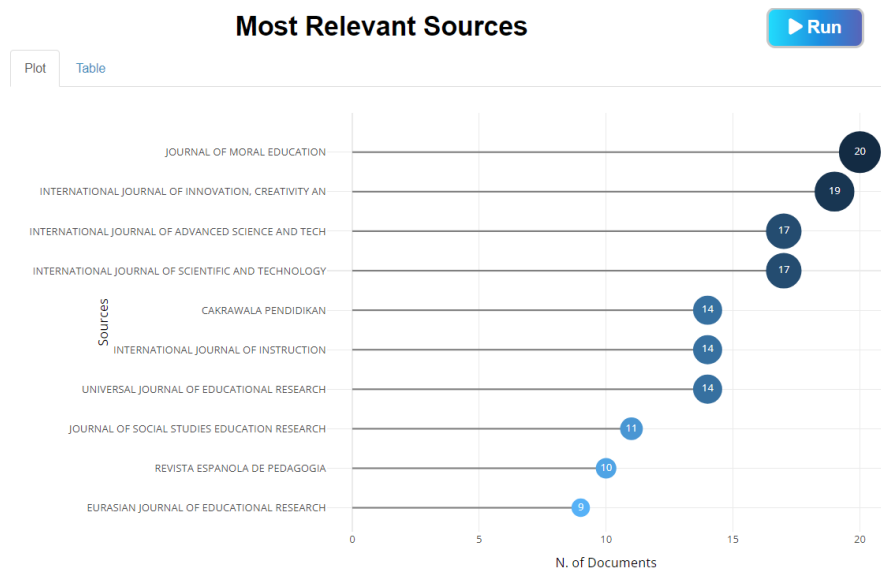


Figure 3. Most Relevant Sources

The above figure shows the top ten journals that have made the greatest contributions in publishing articles related to "Character Education." The Journal of Moral Education stands out as the top journal with 20 relevant articles. The significant contribution of this journal indicates its crucial role in shaping perspectives and understanding about character education among academics and practitioners. The International Journal of Innovation, Creativity, and Change ranks second with 19 published articles. This journal demonstrates its commitment to presenting innovative and creative research relevant to character education. The International Journal of Advanced Science and Technology occupies the third position by publishing 17 articles related to "Character Education." This journal showcases its focus on presenting research that contributes to the understanding and development of character education. The International Journal of Scientific and Technology Research also shares the third position with 17 articles. This journal has successfully presented diverse and relevant research in the field of character education.

Cakrawala Pendidikan is a renowned national journal that has produced 14 relevant articles during the analysis period. This journal focuses on research related to character and moral development in the context of education in Indonesia. The International Journal of Instruction also publishes 14 relevant articles on character education. This journal gives special

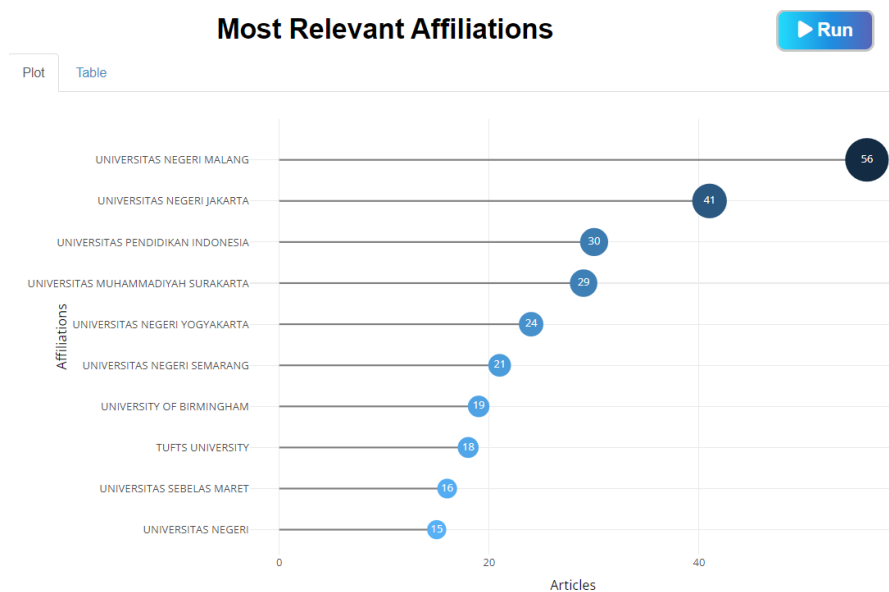


attention to research that contributes to the practice and implementation of character education in the learning environment. The Universal Journal of Educational Research is also recorded to have 14 articles related to character education. This journal provides an opportunity for researchers to publish studies on various aspects of character education universally. The Journal of Social Studies Education Research has successfully presented 11 articles recorded in our research database. This journal focuses on research that integrates character education aspects in the context of social studies.

As an international journal, Revista Espanola de Pedagogia has published 10 articles related to "Character Education." This journal plays a role in presenting the latest research in the field of character education globally. The Eurasian Journal of Educational Research features 9 articles related to character education. This journal provides a platform for researchers to publish diverse and beneficial research in the context of character education.

### 3.3 Most Relevant Affiliations

Character education is an area of research that attracts the attention of many educational institutions and researchers from various parts of the world. In the academic world, universities and educational institutions play a central role in presenting and publishing quality research relevant to the advancement of knowledge in character education. In this article, we will analyze and provide a description of the top ten university affiliations that have contributed the most with the highest number of articles related to "Character Education." The figure below shows the active participation of these universities in producing valuable research that contributes to the development of character education at the local and international levels.



#### Figure 4. Most Relevant Affiliations

Figure 4 above illustrates the top ten university affiliations that have contributed to publishing articles related to "Character Education": Universitas Negeri Malang stands out as the top university affiliation with a total of 56 relevant articles. The active contribution of this university indicates its commitment and central role in conducting research focused on the development of individual character and morals. Universitas Negeri Jakarta is recorded to have 41 articles related to "Character Education". The contribution of this university shows its active involvement in presenting research that supports the development of character education in the Jakarta and surrounding areas. Universitas Pendidikan Indonesia, as one of the leading educational institutions in Indonesia, contributes with 30 articles related to character education. This university affiliation highlights its significant role in presenting in-depth and relevant research in the field of character education. Universitas Muhammadiyah Surakarta has successfully published 29 articles recorded in our research database. This university gives special attention to research that contributes to the understanding of Islamic values and character education.

Universitas Negeri Yogyakarta, a leading educational institution in Indonesia, contributes 24 articles related to "Character Education". This university affiliation emphasizes dedication and involvement in advancing quality research in the field of character education. Universitas Negeri Semarang has recorded 21 articles related to "Character Education" that have been published. This university presents research that focuses on the development of character and ethics at the local level. The University of Birmingham, as an international university, is recorded with 19 articles related to character education. The contribution of this university provides broader insights and a global perspective in character education. Tufts University also contributes with 18 relevant articles in our research database. This university affiliation demonstrates its participation in presenting innovative and beneficial research in the field of character education. Universitas Sebelas Maret published 16 articles related to character education. This university affiliation focuses on presenting meaningful and relevant research in the development of character education.

### 3.4 Trend Topic

Trend topics in research reflect the shifting focus and academic interest in various subjects or issues relevant within a specific period of time. In the world of research, certain

topics often receive attention due to their relevance in understanding and addressing social, economic, and humanitarian challenges. This article aims to analyze and depict the trend topics of research from 2018 to 2023 based on several keywords that appeared in the research database. The following figure will provide insights into the frequency of the most relevant keywords with research during that time frame. This analysis helps identify the issues dominating academic discussions and understand the direction of knowledge development in recent years.

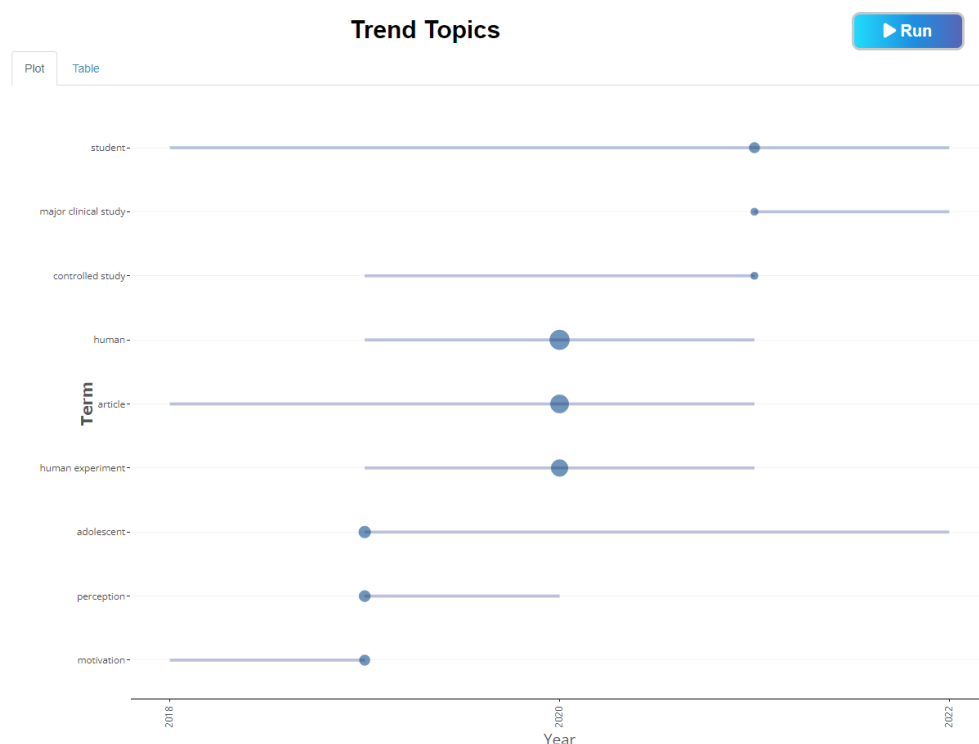


Figure 5. Trend topic

Figure 5 regarding the trend topics from 2018 to 2023 based on several relevant research keywords records the frequency of the following keywords: The keyword "student" received significant attention in research during that time period. Research related to the student population reflects academic interest in aspects such as academic achievement, student well-being, and challenges within the education system. "Controlled study" refers to experimental research methods that control specific variables to obtain more valid and reliable results. The emphasis on controlled research methods indicates a drive to produce strong and accurate empirical evidence in various fields. The keyword "major clinical study" reflects a focus on large-scale and influential clinical research. Clinical research plays a crucial role in

the development of medical science and treatment, providing the basis for effective medical decision-making. The role of humans in research takes a central position, as reflected by the appearance of the keyword "human". Human-related issues, such as health, psychology, education, and the environment, are major concerns in research involving human participation. The keyword "article" refers to the type of scientific publication that serves as a primary means of disseminating knowledge. The frequency of this keyword indicates the popularity of articles as the main medium for presenting research and academic thoughts.

Experimental research involving humans is the main focus in the keyword "human experiment". The importance of research involving human participants demands attention to ethics and participant protection. "Adolescent" is a keyword that reflects attention to the adolescent age group. Research on adolescents often focuses on aspects such as the unique physical, psychological, and social development in this stage of life. The keyword "perception" indicates a focus on the study of human perceptions of the surrounding world. Research on perception helps understand how humans process information and give meaning to their experiences. "Motivation" is a primary focus in research analyzing factors that drive human behavior. Studies on motivation contribute to understanding what drives individuals to act and achieve goals.

### **3.5 Co-occurrence network**

In the field of education, the development of individual character and morals is a primary concern for academics and practitioners. In efforts to improve the quality of character education, research on various topics has been conducted during the period from 2018 to 2023. This article aims to analyze and depict the most relevant research topic trends during that period. The figure below will display some topics that repeatedly appeared in academic research, highlighting their role in influencing the development of knowledge in the field of character education and morality.

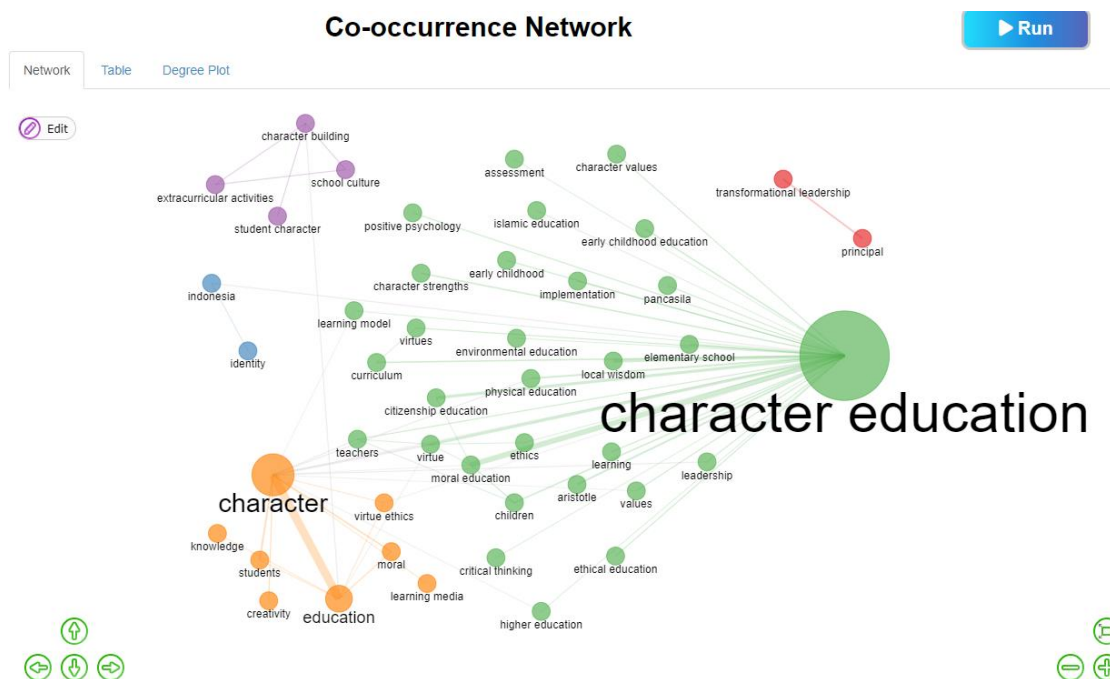


Figure 6. Co-occurrence network

Figure 6 on the Co-occurrence network from 2018 to 2023 records several most relevant topics in research on character education and morality:

- Cluster 1: Transformational Leadership: The topic of transformational leadership became a research focus, examining leadership approaches that promote positive change and growth in individual and group character. Principal: The role of school principals in developing school culture and character education is a focus in this research.
- Cluster 2: Indonesia: Indonesia as the country where the research takes place indicates attention to the context of character education within the local culture and environment. Identity: Research on individual identity discusses the influence of identity on character and moral development.
- Cluster 3: Character Education: Character education is a central issue in research, highlighting approaches and strategies in developing individual character. Moral Education: Moral education receives further attention, examining how moral values are instilled and internalized in education. Virtue: Studies on virtues explore the good values and ethics that form the foundation of character development. Local Wisdom: Local wisdom becomes a significant focus in character education, recognizing local values and traditions as the foundation of individual character formation. Aristotle: The philosopher Aristotle receives academic attention in relation to character education.

Citizenship Education: Citizenship education discusses how character education builds citizenship awareness and social responsibility in individuals. Higher Education: Research in the context of higher education highlights the role of universities in shaping students' character. Physical Education: Physical education and sports are also involved in character education, strengthening values of discipline and togetherness. Children: Research focus on children highlights the importance of shaping character from an early age. Curriculum: The development of a curriculum that supports character education is a relevant topic in this research. Elementary School: Research in elementary schools emphasizes the importance of educating children's character at an early age. Leadership: Leadership studies discuss how educational leaders influence individual character and morality. Character Values: Research related to character values is a focus in character and moral education. Early Childhood: The role of character education in early childhood is a significant concern in this research. Early Childhood Education: Character education in early childhood is a specific research focus. Ethics: Ethics and morality are major concerns in this research. Learning: The learning process that shapes character and morality is a focus in this research. Teachers: The role of teachers in educating students' character and morality is a relevant topic. Values: The values that shape character and morality are a special concern in this research. Virtues: Research on virtues reflects attention to good values and ethics.

- d. Cluster 4: Character Building: The process of building individual character is a major issue in this research. Student Character: Character education for students is a relevant research focus. School Culture: School culture influences students' character and morality, making it an important topic in this research. Extracurricular Activities: Extracurricular activities play a crucial role in shaping students' character and morality.
- e. Cluster 5: Character: Character as the main focus of research indicates special attention to identifying and developing aspects of individual character. Education: Education as a whole is the focus of research, highlighting the role of education in shaping individual character and moral values. Students: Students as the research object reflect attention to efforts to shape individual character through education. Moral: Understanding and developing moral values are important issues in this research. Virtue Ethics: Virtue ethics receives special attention in this research. Creativity: Creativity in character education is a relevant topic that discusses how character development also includes creative aspects. Knowledge: The role of knowledge in shaping character and morality

is an important issue in this research. Learning Media: Learning media is a focus in research on how character and morality are promoted through instructional media.

The above figure provides insights into the trend of research topics related to character education and morality during the period from 2018 to 2023. These various topics reflect the attention and efforts of academics to understand and enhance character education and morality within diverse educational environments. The results of this analysis play a crucial role in providing direction for future research and highlighting crucial issues in the development of character education at the local and global levels.

### 3.6 Thematic Map

A thematic map analyzes specific theme clusters based on density and centrality. Simply put, the higher the position on the map, the more it has been researched (depicting trend issues and the abundance of texts related to that topic). Meanwhile, the centrality is related to the relevance of the theme to the broader topic being researched. The further to the right, the more relevant and impactful the theme is (Andriyani et al., 2023). The thematic map is a highly intuitive plot, and we can analyze themes based on the quadrants they are placed in.

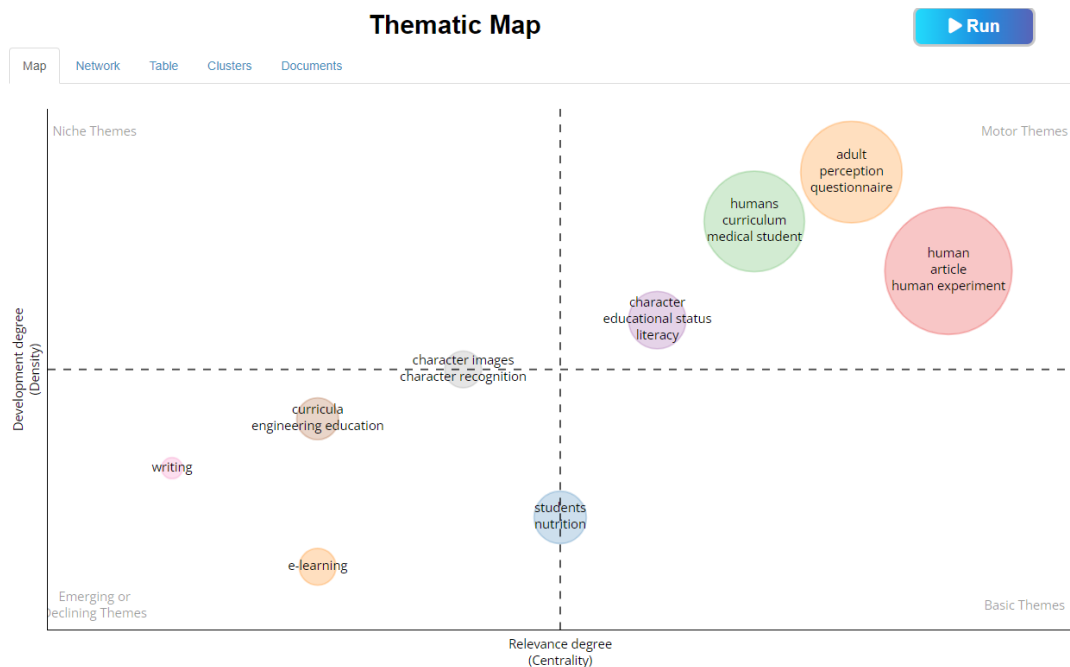


Figure 7. Thematic Map

Figure 7 on the Thematic Map from 2018 to 2023 records several most relevant topics in educational research:

- a. Cluster 1: Human: The focus on human aspects indicates the importance of research related to human behavior, needs, and characteristics in an educational context. Article: Scientific articles are the main source for disseminating research and findings in the field of education. Human Experiment: Research experiments involving human participants are an important topic reflecting the attention to valid research methods and research ethics.
- b. Cluster 2: Students: Students are the main subject in educational research, exploring various aspects of learning experiences and interactions within the school environment. Nutrition: Student health and nutrition become a focus in research to support optimal development during the school years.
- c. Cluster 3: Curriculum: The curriculum, as a key element in education, is the main focus of this research, discussing effective curriculum strategies and development. Humans: Research focused on the general human population reflects attention to various aspects of human life in an educational context. Medical Student: Attention to research involving medical students highlights the importance of comprehensive health education. Educational Status: Research on educational status includes analyses of access and educational opportunities for different societal groups. Literacy: Literacy as a critical skill in learning is a focus in this research.
- d. Cluster 4: Character: Character education is the main focus of this research, exploring approaches and strategies to build strong character in the younger generation. Educational Status: Attention to educational status reflects research on disparities and challenges in access and quality of education for various societal groups. Literacy: Literacy is an important topic in research, discussing essential reading and writing skills for effective learning. Adult: Education for adults is an important concern, recognizing the needs and appropriate methods to meet their educational needs.
- e. Cluster 5: Adolescent: Research on adolescents highlights the role of education in supporting character and psychological development during adolescence. Perception: Studies on perception explore how individual views and interpretations influence their learning and educational experiences.
- f. Cluster 6: Curricula: Research on various curricula indicates attention to understanding the design and implementation of effective educational programs. Engineering



Education: The focus on engineering education highlights the development of reliable human resources in engineering and technology fields.

- g. Cluster 7: Writing: Writing skills receive special attention in this research, exploring how effective writing instruction can shape students' language competencies.
- h. Cluster 8: Character Images: Studies on character portrayals explore how character representation in media and literature influences perceptions and understanding of character values. Character Recognition: Research on character recognition relates to natural language processing and artificial intelligence technologies that can assist in character education.
- i. Cluster 9: E-Learning: The development of technology in education is a major concern in this research, exploring the benefits and challenges of e-learning in developing students' character.

The results of this Thematic Map provide an overview of research topic trends in education from 2018 to 2023. These various topics reflect the focus and attention of academics in identifying crucial issues in education and character education. This analysis plays a crucial role in guiding future research directions and highlighting urgent aspects to consider in advancing the world of education.

In this article, a bibliometric analysis of the "Character Education" research trend based on the Scopus database from 2018 to 2023 has been conducted. From the collected 569 article metadata, several interesting findings can be identified, providing insights into the development and research direction in this field. The bibliometric analysis reveals that character education has become an increasingly relevant issue and has attracted the attention of researchers from 2018 to 2023. The increase in publications signifies the growing interest in character education as an approach to shaping morally and ethically qualified young generations. This phenomenon aligns with some research findings that reflect a widespread awareness of the importance of strengthening character education within the education system to create a better society (Bahri et al., 2022; Chairunnisa, 2022; Das et al., 2022).

The main approach in bibliometric involves analyzing classifications based on the most frequently occurring topics in the articles (Nadhiroh et al., 2023). These findings highlight several dominant topics in "Character Education" research during the study period. Among them are "understanding character values," "curriculum implementation of character education," and "the role of character education in individual moral development." These

findings indicate that research in character education revolves around efforts to understand moral values, strategies for implementing character education curricula, and the impact of character education on individual moral development. Additionally, the bibliometric analysis also reveals the top authors and university affiliations in this research field. Collaboration among authors and institutions is crucial in building knowledge in character education. Such collaboration provides opportunities to produce richer and more impactful research for the development of character education in the future.

Despite providing valuable insights, bibliometric analysis has some limitations that need to be considered (Kamil et al., 2023; Safitri & Ramadhan, 2023). Firstly, the data used are solely based on the Scopus database, which may not cover all character education-related publications. Other sources such as Google Scholar or PubMed could provide a more comprehensive view. Secondly, this bibliometric analysis only covers data up to 2023, thus excluding the latest trends and developments beyond that period. However, this bibliometric research opens up possibilities for further research in various aspects. For instance, deeper studies on innovative approaches to teaching and the application of technology in character education could be explored. Additionally, further research could delve into the psychological and social aspects of character education, as well as explore culture-based and local wisdom approaches in character formation.

Overall, this bibliometric analysis has provided an overview of the "Character Education" research trends from 2018 to 2023. These findings can serve as a guide for academics, researchers, and practitioners in developing more effective and relevant character education strategies. Furthermore, the opportunities for further research in various aspects offer the potential to enhance understanding and address challenges in advancing character education and morality within the education system in a more holistic and positively impactful manner.

#### **D. CONCLUSION**

The bibliometric analysis of the "Character Education" research trends from 2018 to 2023 based on the Scopus database has provided valuable insights into the development and significant role of this field in the education world. From the collected 569 article metadata, several crucial findings and implications can be identified, providing a comprehensive picture of academic studies in character education. The results of this bibliometric research contribute significantly to academics, researchers, and practitioners in identifying research priorities and developing more effective character education strategies. The implications of this analysis

include the importance of continually strengthening character education within the education system in a holistic and positively impactful way on the moral and ethical development of students and society. Further research is expected to deepen the understanding of psychological, social, and cultural aspects of character education and to address challenges and opportunities in developing a more meaningful and integrity-driven education world.

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