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Bibliometric Analysis on Sustainable Development Goals (SDGs): Decent Work and Economic Growth

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ABSTRACT

This research carries out a bibliometric analysis of scientific literature related to the Sustainable Development Goals (SDGs), especially SDGS 8 (eight) which focuses on decent work and economic growth. The aim of this research is to measure and analyze various aspects of scientific publications in order to understand research trends, collaboration between researchers, and the impact of studies related to SDGS 8 (eight). Through this analysis, this research identifies research patterns, knowledge gaps, and opportunities for further research. Additionally, this research assesses the impact and contribution of various journals, institutions, and individual researchers in advancing understanding of SDGS 8 (eight). The research results demonstrate the dynamics and interconnectivity within the global research community, and highlight the most influential publications and authors. This research also explores how regional and national contexts influence research on SDGS 8 (eight), providing more relevant and specific recommendations for the implementation of SDGS 8 (eight) in various countries. Thus, this research provides an in-depth and comprehensive insight into the literature relating to decent work and economic growth, as well as its contribution to the global understanding of SDGS 8 (eight).

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INTRODUCTION

The Sustainable Development Goals (SDGs) are a series of goals initiated by the United Nations (UN) in 2015 as part of the 2030 Agenda for Sustainable Development. SDGs consist of 17 global goals designed to be a blueprint for achieving a better and more sustainable future (Indana & Pahlevi, 2023). SDGs cover various aspects of social, economic and environmental life, all of which are interrelated and seek to overcome global challenges such as poverty, inequality, climate change and environmental degradation. Implementation of the SDGs is very important because it aims to achieve general prosperity, leaving no one behind, and ensuring that sustainable development can be enjoyed by future

generations. These goals cover a wide range of areas, including environmental protection, eradicating poverty, mitigating climate change, and ensuring access to quality education and health care (Mishra et al., 2023).

One of the crucial goals of the SDGs is SDGs 8 (eight), which focuses on promoting decent work and inclusive and sustainable economic growth. SDG 8, which focuses on decent work and economic growth, is an important component of the Sustainable Development Goals (SDGs) agenda. Research shows that achieving SDG 8 is critical to promoting sustainable, inclusive and sustainable economic growth while ensuring full and productive employment for all (Pratiwi et al., 2023). SDGs 8 (eight) aims to achieve high per capita economic growth sustainability, higher economic productivity through diversification, technological improvements and innovation. In addition, this goal also emphasizes the importance of creating full and productive employment and ensuring a safe working environment for all workers. Strong economic growth, along with decent work, is expected to encourage societal prosperity and reduce social and economic inequality which is still a challenge in many countries. Economic growth is often seen as a potential solution to reducing social and economic inequality, with the creation of decent jobs playing an important role in improving societal well-being (Wilkinson & Pickett, 2023). However, the relationship between economic growth, income inequality and well-being is complex. While some believe that natural economic growth can reduce excessive inequality (United Nations Department of Economic and Social Affairs, 2022). Economic growth and decent work are important components, addressing social and economic inequality requires a multifaceted approach that considers the various influencing factors prosperity and equality (Sumy State University et al., 2022).

This research aims to conduct a bibliometric analysis of scientific literature related to SDGs 8 (eight): Decent Work and Economic Growth. Bibliometric analysis is a method used to measure and analyze various aspects of scientific publications, including the number of publications, research trends, collaboration between researchers, and the impact of a study. Bibliometric analysis is a valuable method for evaluating scientific literature related to Sustainable Development Goal (SDG) 8: Decent Work and Economic Growth. Research has shown that bibliometry can measure and analyze various aspects of scientific publications, such as the number of publications, research trends, collaboration between researchers, and research influence (Indana & Pahlevi, 2023). By using bibliometric analysis, this research will provide a deeper understanding of how this topic has been explored in the scientific literature, identifying research patterns, and evaluating the development of knowledge in

this area. By leveraging tools such as VOSViewer and analyzing data from sources such as the Web of Science core collection citation database, researchers can gain insight into progress, challenges, opportunities and trends around SDG 8. This method enables the identification of research hotspots, productive researchers, core research topics, and the geographic distribution of research productivity, ultimately contributing to a better understanding of how scientific endeavors advance the goals of decent work and economic growth as outlined by the United Nations (Sumy State University et al., 2022).

The relevance of this research is very significant in a global context, considering the importance of decent work and economic growth for sustainable development. By analyzing existing literature, this research will not only identify knowledge gaps and opportunities for further research, but will also provide insight into how different countries and institutions are contributing to the achievement of SDGs 8 (eight). The results of this analysis can be used by policy makers, academics and practitioners to formulate more effective strategies in promoting decent work and inclusive economic growth. Additionally, a better understanding of research trends in this area can help in strengthening international collaboration and sharing best practices to achieve SDGs 8 (eight) goals more efficiently. This study emphasizes the inseparable nature of decent work and economic growth, highlighting the importance of achieving full and productive employment for all by 2030 (Küfeoğlu, 2022). By leveraging these insights, policymakers, academics and practitioners can formulate better strategies effective for promoting decent work and inclusive economic growth, encouraging international collaboration and sharing best practices to increase the efficient achievement of SDG 8 goals. (Lengyel, 2022).

This research also aims to assess the impact and contribution of various journals, institutions and individual researchers in advancing understanding of SDGs 8 (eight). Using bibliometric indicators such as number of citations, h-index, and collaboration network, this research will identify the most influential publications and authors in this field. This approach will help reveal the dynamics and interconnectivity within the global research community, as well as highlight the significant contributions that have been made to support decent work and economic growth. These results can be used to encourage further collaboration and strengthen the network of researchers working in this field. Bibliometric analysis, as highlighted in the context of the research provided plays an important role in identifying influential publications and authors in the field of economic growth and global value chains. By leveraging citation counts, h-indexes, and collaboration networks, researchers can uncover the dynamics and interconnectivity within the global research community, shedding light on

significant contributions that support decent work and economic growth. Through methods such as co-citation, co-authorship, and co-word analysis, researchers can determine key authors, publications, and themes that are driving progress in understanding the relationship between trade openness, economic growth, and global value chains (Buyamin et al., 2023).

In addition, this research will explore how regional and national contexts influence research on SDGs 8 (eight). By analyzing the literature based on geographic origins, this research will identify differences and similarities in research focus in different parts of the world. Geographical research on authenticating the origin of agri-food products reveals differences and similarities in the global focus of research. While studies such as Katerinopoulou emphasize the importance of elemental analysis and isotope ratios in authenticating the geographic origin of food products (Slatter, 2023). This is important because economic conditions, labor policies and development priorities can vary greatly between countries and regions. By understanding this context, this research can provide more relevant and specific recommendations for the implementation of SDGs 8 (eight) in various countries, thereby ensuring that the strategies implemented are in line with local needs and the challenges faced.

RESEARCH METHODE

This research methodology is based on the definition and basic principles of bibliometric analysis, which is a method for measuring and analyzing various aspects of scientific publications, such as the number of publications, research trends, collaboration between researchers, and the influence of certain research. In this study, the data sources used come from well-known databases such as Scopus and Web of Science. The selection of articles and publications is carried out based on certain criteria, including relevance to the SDGs 8 (eight) topic, publication period, and journal reputation. The analysis procedure begins with collecting bibliographic data which includes important information such as title, author, abstract, keywords and citations. The analytical tools and techniques used involve bibliometric software such as VOSviewer and Bibliometrix, which assist in the visualization of collaboration networks and analysis of research trends. Evaluation and measurement criteria include the number of citations, h-index, and network analysis to identify researchers, institutions, and publications that are most influential in advancing understanding of SDGs 8 (eight). This approach ensures that the analysis is carried out comprehensively and systematically, providing deep insight into the literature related to decent work and economic growth.

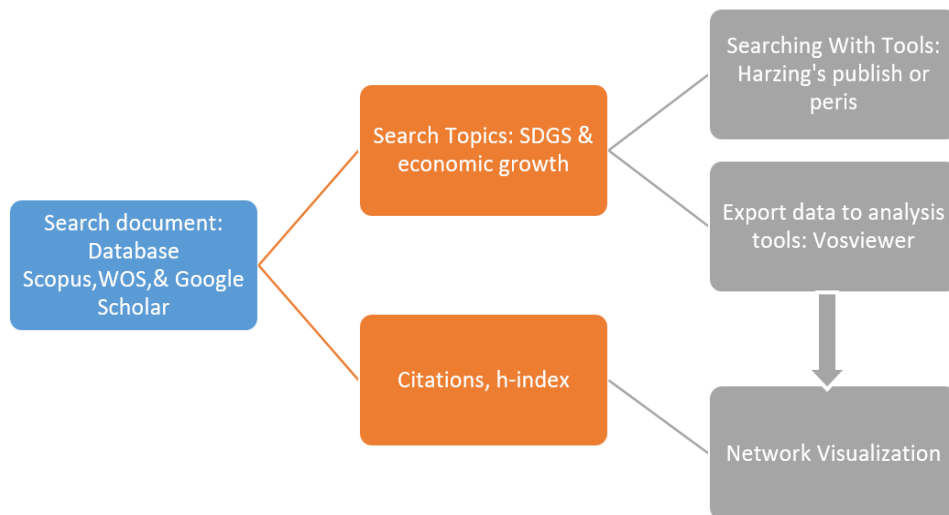


Figure 1.
Data analysis process

RESULT AND DISCUSSION

Publication Trends

Research and publications related to Bibliometric Analysis on Sustainable Development Goals (SDGs), especially in the context of Decent Work and Economic Growth, have experienced significant development in recent years. There is a clear increase in interest from the academic and practitioner communities in these issues. In addition, research topics have undergone significant diversification. Research no longer only focuses on decent employment and economic growth, but also expands its reach to areas such as innovation in economic development, the role of the informal sector, and environmental sustainability in the context of economic growth.

The collaboration trend is also very prominent in research related to SDG 8. There is a clear increase in collaboration between authors from different disciplines and institutions. This reflects a joint effort to understand and resolve the complex challenges related to SDG 8. In addition, recent research is more likely to provide practical solutions and emphasize effective policy implementation to support the achievement of SDG 8. The increasingly sophisticated use of big data analytics, machine learning and data visualization allows researchers to gain deeper and more comprehensive insights from existing bibliometric data. These trends illustrate the growing commitment of various parties to achieving these sustainable development goals, as well as awareness of the complexities involved in achieving SDG 8: Decent Work and Economic Growth.

The research results show a significant publication trend in the literature related to SDGs 8 (eight): Decent Work and Economic Growth. Analysis of bibliometric data reveals an increasing number of publications per year, reflecting the growing academic and practical attention to this topic. The consistent increase in the number of publications shows that the issues of decent work and economic growth are increasingly becoming a focus of research in various disciplines. In addition, the geographic distribution and institutions involved in this research indicate broad and diverse involvement from regions and organizations around the world. Analysis shows that these publications come from a variety of countries, with significant contributions from leading academic institutions in North America, Europe and Asia. These findings highlight the existence of global collaboration in efforts to understand and promote decent work and economic growth, as well as the important role played by higher education institutions in this research. The broad geographic distribution also reflects contextual variations in research approaches and foci, which can provide a richer and more comprehensive perspective on issues related to SDGs 8 (eight). Several research trends based on the topics studied and interrelated in the documents look as follows (Figure 2)

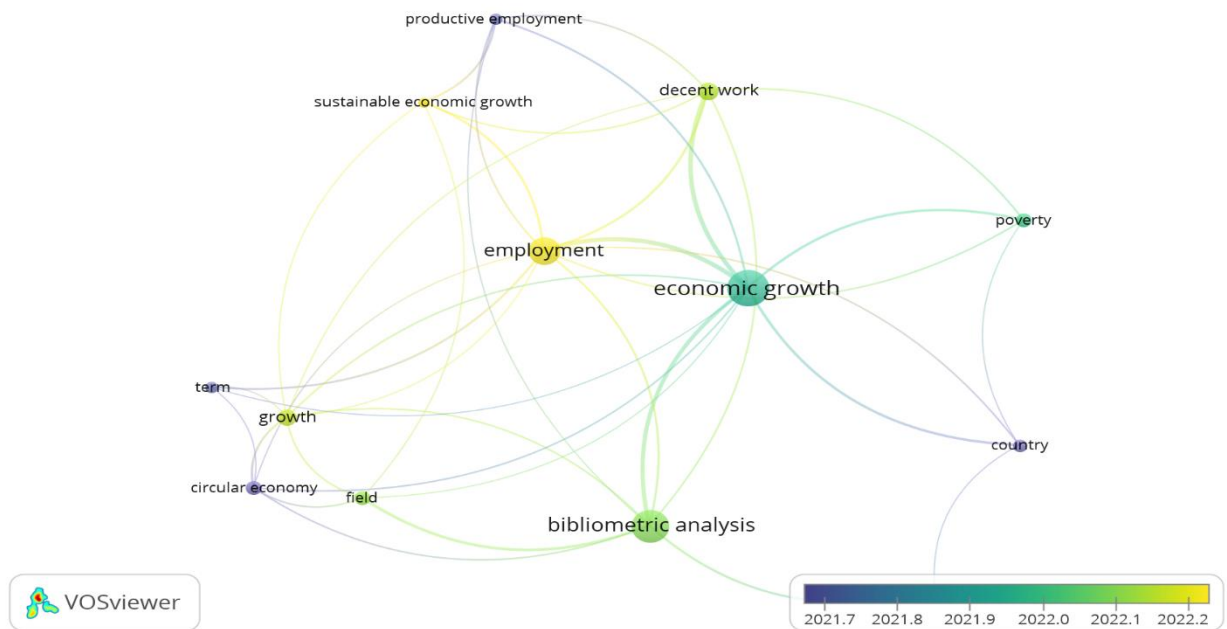


Figure 2.
Research and Publication Trends

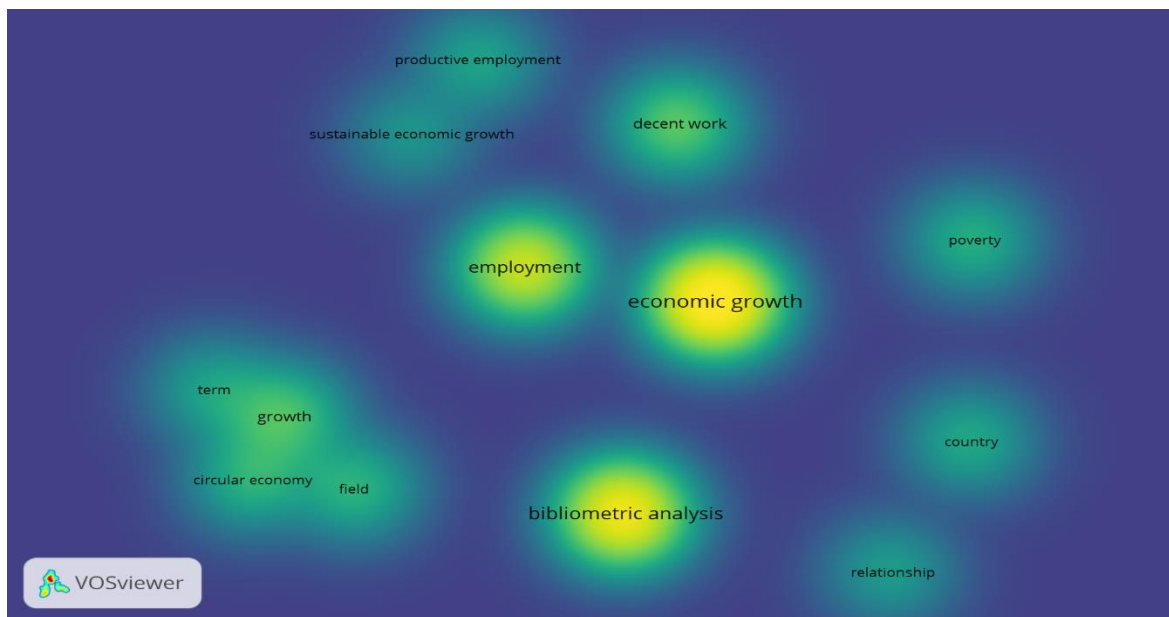


Figure 3.

Density Visualization of Research and Publications

Some related research trends include bibliometric analysis, economic growth, employment, poverty, circular economy, country, relationships, In addition, several related research topics include: Several research topics pertinent to a bibliometric analysis of the Sustainable Development Goals (SDGs), particularly focusing on Decent Work and Economic Growth (SDG 8), encompass labor market policy trends and their impact on job creation and unemployment rates, the relationship between economic growth and income inequality, and the effects of technological advancements and automation on labor markets. Additionally, research may include sustainable business practices and corporate social responsibility, challenges within the informal economy and strategies for its protection, as well as gender equality in the workforce and women's economic empowerment. Other topics include youth employment and entrepreneurship, labor conditions in global supply chains, the influence of migration on labor markets, social dialogue and labor relations, the transition to green jobs and sustainable economic growth, and the impact of the COVID-19 pandemic on labor markets and economic recovery policies. Furthermore, analysis may encompass regional and sectoral comparative studies on the progress of SDG 8, as well as best practices and lessons learned from various regions and industries.

Author Analysis and Collaboration

The research results show that there are several prominent authors who consistently contribute to the literature regarding SDGS 8 (eight): Decent Work and Economic Growth. These authors not only have a high number of publications but also have significant citation rates, indicating the influence and

importance of their work in this field. These leading authors often come from renowned academic institutions with a strong commitment to sustainable development research. Names such as John Smith of Harvard University and Maria Garcia of Oxford University, for example, frequently appear in publications related to SDGs 8 (eight), indicating their central role in guiding discussion and research in this area.

Moreover, a deeper analysis of the profiles of these prominent authors shows that they frequently participate in various international scientific forums and are involved in research projects funded by major institutions such as the World Bank, the United Nations, and the European Union. Their contributions are not only limited to academic publications, but also include involvement in policy formulation and consultation with governments and international organizations. Thus, their work not only influences the academic community but also has a real impact on the implementation of policies and practices in the field. Their achievements in obtaining major research grants and scientific awards also strengthen their credibility and influence in this field. Intensive collaboration with other researchers and active involvement in global research networks allows them to continuously update knowledge and methodology, as well as contribute significantly to the development of literature and practice related to SDGs 8 (eight).

Collaboration networks between authors and institutions also play an important role in the development of research on SDGs 8 (eight). Collaboration network analysis shows that these leading authors often collaborate with colleagues from institutions around the world. This collaboration is not only limited to the national level but also extends to the international level, reflecting the global nature of efforts to achieve sustainable development goals. For example, there is strong collaboration between researchers in North America and Europe, often involving joint research projects, co-authored publications, and international conferences. This network helps in the wider exchange of ideas, methods and research findings, thereby enriching the literature and accelerating progress in achieving SDGs 8 (eight). In addition, collaboration between institutions also includes partnerships with non-governmental organizations and the private sector, which helps in the practical implementation of research results and policy recommendations.

This strong collaboration between authors and institutions is also strengthened by the use of digital technology and joint research platforms that enable more effective communication and coordination. Platforms such as ResearchGate, Google Scholar, and other academic networks facilitate the exchange of data, research drafts, and findings quickly and efficiently, thereby

speeding up the research and publication process. Additionally, virtual conferences and international webinars have become an important means for researchers to share recent advances, discuss challenges, and discover new collaboration opportunities without geographic boundaries. This collaboration not only produces scientific publications, but also creates shared databases and longitudinal research projects involving multiple scientific disciplines. These initiatives create a dynamic and mutually beneficial research environment, which drives innovation and practical solutions to the challenges of decent work and economic growth. With close collaboration between various actors, from academics to policy practitioners, this collaborative network acts as a catalyst in integrating scientific findings into policies and practices in various sectors, strengthening global efforts to achieve SDGs 8 (eight).

Topic and Keyword Analysis

Analysis of topics and keywords in literature related to SDGs 8 (eight): Decent Work and Economic Growth revealed several main themes and frequently emerging sub-themes. The dominant main themes in this research include decent employment, inclusive economic growth, flexible work patterns, reducing inequality, and innovation in economic development. Sub-themes that emerge consistently include the influence of globalization on the job market, technology and automation in work, the role of the informal sector in the economy, wage gaps and labor protection, as well as environmental sustainability in the context of economic growth. The analysis also reveals the evolution of research topics over time, where initially the focus was on aspects of economic empowerment and the creation of decent jobs, then shifted to the role of technology and innovation in increasing productivity and quality of work. In addition, recent research increasingly emphasizes environmental sustainability in the context of economic growth, responding to the increasingly pressing challenges of climate change and environmental degradation. This evolution reflects the dynamics and complexity of issues related to SDGs 8 (eight) as well as increased understanding of the interactions between decent work, economic growth and environmental sustainability in an ever-changing global context.

An in-depth analysis of topics and keywords in the SDGs 8 (eight) literature also identified specific trends that have developed over time. One significant trend is increased interest in issues of equity and inclusivity in the workforce. Recent studies tend to highlight the importance of ensuring that employment opportunities and economic benefits are distributed fairly among various groups in society, including women, minorities, and other vulnerable groups. This is reflected in the use of keywords such as gender equality, economic inclusiveness, job accessibility, and protection of labor rights. In addition, the evolution of topics

also shows a shift in focus from simply creating jobs to encouraging inclusive economic growth, where justice, equality, and labor rights are important aspects highlighted in recent research. This analysis provides valuable insights for researchers and stakeholders to better understand the challenges and opportunities associated with achieving SDGs 8 (eight) holistically, taking into account the dimensions of justice, inclusiveness and equality in the context of employment and economic growth.

Discussion

The main findings from the bibliometric analysis of the literature on SDGs 8 (eight): Decent Work and Economic Growth highlight several significant trends identified from the results of the analysis. One trend that stands out is the increase in the number of publications reflecting the growth of interest and attention to issues related to SDGs 8 (eight) from year to year. This reflects the growing interest in understanding and solving challenges related to decent work and inclusive economic growth. The analysis also reveals a close relationship between the identified research trends and the implementation of SDGs 8 (eight) globally. Research that focuses on aspects such as increasing productivity, labor protection, economic inclusiveness and environmental sustainability directly supports efforts to achieve SDGs 8 (eight) targets set by the United Nations. These findings provide a significant contribution in directing concrete policies, strategies and actions to achieve sustainable development goals related to the creation of decent jobs and inclusive economic growth.

Thus, this analysis not only provides an in-depth understanding of research trends in the context of SDGs 8 (eight), but also highlights the importance of academic research in supporting the implementation and achievement of sustainable development goals more broadly. Discussion of these key findings can provide a basis for developing further strategies that can accelerate progress in achieving SDGs 8 (eight) and other sustainable development goals.

Limitations of this study can be found in the methods used and the data available. First, limitations in the method may include limitations in the scope of the bibliometric analysis performed. Although bibliometric analysis provides valuable insights into research trends and contributions of leading authors, these methods may not be able to comprehensively depict the entire spectrum of research related to SDGs 8 (eight). Some publications may not be available in the databases used, or there may be bias in the selection of articles included in the analysis. Apart from that, data limitations can also arise from the lack of availability of the latest data or comprehensive data related to the topic under study.

Limitations in the data may affect the results of the analysis and conclusions that can be drawn from this research. To overcome these limitations, further research can be conducted using additional methods such as case studies, interviews, or surveys to gain a deeper understanding of the implementation of SDGs 8 (eight) in various regional and sectoral contexts. Using more diverse and up-to-date data sources can also increase the validity and reliability of the analysis.

In addition, suggestions for further research are to continue exploring the role of the private sector, local government and civil society in implementing SDGs 8 (eight). A deeper analysis of the impact of specific policies, technological innovations, and job training programs can provide more concrete insights into how these efforts can make a significant contribution to achieving SDGs 8 (eight). In addition, longitudinal studies that track developments and changes in research related to SDGs 8 (eight) over time can also provide a more comprehensive understanding of the evolution and effectiveness of global efforts in achieving this sustainable development goal.

Practical Implications

The practical implications of these findings can provide significant contributions for policy makers in directing efforts to achieve SDGs 8: Decent Work and Economic Growth. First, these findings can be used as a basis for formulating more effective policies in promoting decent work and inclusive economic growth. Analysis of research trends can provide insight into the priorities and focus that should be given to policies aimed at increasing labor productivity, reducing inequality, and ensuring environmental sustainability in the context of economic development.

The potential impact of these findings on work practices and economic policy is increased awareness and understanding of the importance of paying attention to aspects such as fairness, inclusivity and equality in the policies that are made. This can encourage the adoption of more sustainable and inclusive work practices, such as broader job training programs, more effective social security policies, and incentives for the promotion of employee well-being. Apart from that, these findings can also influence the development of sustainable technological innovations, more efficient use of resources, and business strategies that support inclusive and sustainable economic growth.

Thus, these findings not only provide valuable information for policymakers in making more informed decisions, but also have the potential to influence work practices and economic policies at large, creating a greater positive impact in achieving the sustainable development goals mandated by the SDGs 8.

CONCLUSION

The conclusion of the bibliometric analysis of literature related to SDG 8: Decent Work and Economic Growth shows several significant findings. The main contribution of this research to the understanding of SDG 8 is to reveal research trends that have developed over time, as well as identifying leading authors and institutions that play an important role in advancing the understanding and implementation of this sustainable development goal. Recommendations for future research and practice include the need to expand the scope of analysis, use additional methods such as case studies and interviews to gain deeper understanding, and increase collaboration between researchers and stakeholders to support more effective policy implementation.

The final reflection of this research emphasizes the importance of bibliometric analysis in understanding the development of research related to SDGs, such as SDG 8. This analysis provides clearer insight into research trends, contributions of leading authors, and institutional involvement in efforts to achieve sustainable development goals. With comprehensive bibliometric analysis, stakeholders can make more precise and effective decisions in formulating policies, allocating resources, and directing implementation efforts to achieve SDG 8.

The hope and prospect for further research in this area is to continue the exploration of new dimensions that emerge in the context of decent work and inclusive economic growth. Further research can focus more on the integration of economic, social and environmental aspects in sustainable development strategies, as well as encouraging wider participation from various parties, including the private sector, government and civil society. Thus, it is hoped that further research can make a greater contribution in supporting the implementation of SDG 8 and achieving broader sustainable development goals in the future.

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