Foreman in Construction Management: A Systematic Bibliometric Review

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INTRODUCTION

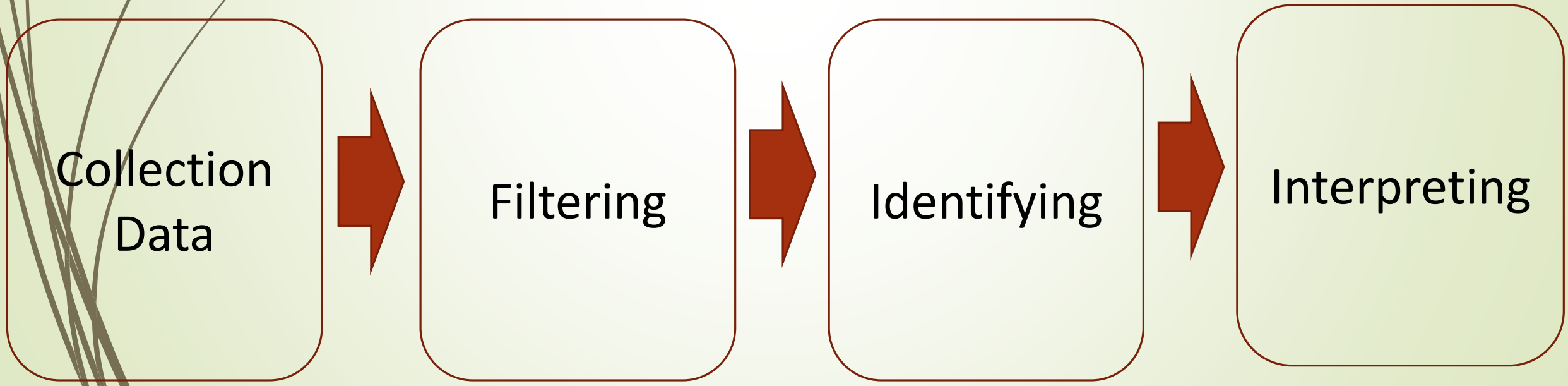
1. One of the factors that can influence construction productivity is the workforce, which plays a strategic role in enhancing the productivity of any organization, thereby giving it a competitive advantage within the industry (Kazaz et al., 2016).
2. "The role of foremen in the Indonesian construction industry is crucial, as they are responsible for most construction workers (Soekiman et al., 2010)."

LITERATURE REVIEW

1. Generally, research focusing on the construction industry and productivity tends to concentrate on the upper management level, often overlooking the specific contributions of foreman.
2. Utilizing the VOSviewer bibliometric method, this research intends to efficiently collect and analyze global metadata, thereby facilitating a nuanced understanding of the interconnectedness between labor, particularly the role of foreman, and productivity in the construction sector

METHOD

This study conducts a comprehensive literature exploration within the SCOPUS database, focusing on industrial construction, productivity, and foreman, by employing the bibliometric method supported by the VOSviewer application



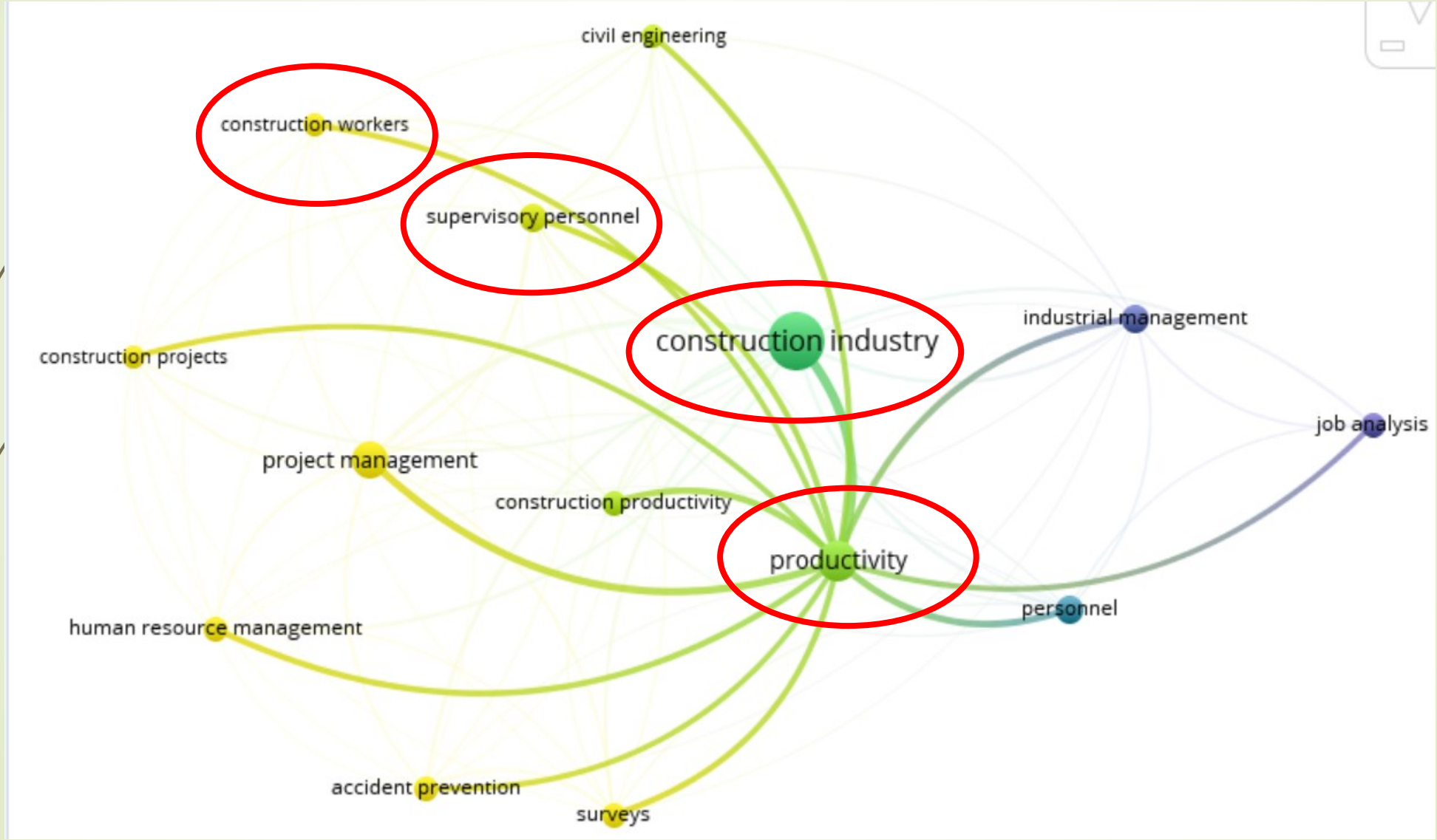
FINDING AND DISCUSSION

1. A total of 47 articles were successfully retrieved through keyword-based searches.
2. The identified publications span from the year 1977 to 2023.
3. The selected subject areas encompass engineering, environmental science, business, management and accounting, earth and planetary science, social science, material science, decision science, computer science, and chemistry, as well as agricultural and biological sciences.
4. These documents include a variety of types such as articles, conference papers, short surveys, reviews, notes, and book chapters.
5. The sources utilized comprise journals, conference proceedings, book series, trade journals, and books.
6. Researchers exploring this topic have been identified from 23 countries, categorized into 3 clusters with 14 item keywords.

FINDING AND DISCUSSION

7. This study has been extensively conducted across different parts of the world, including Asia and Europe, indicating that the theme holds global relevance and presents various unexplored potential research areas.
8. Based on the geographical distribution of the research, this study appears to be predominantly influenced by contributions from America, the United Kingdom, Canada, and Indonesia.
9. It is noteworthy that the term "mandor" is not significantly present within this network (**Fig**. Network Visualization).
10. there are interesting connections and ties between keywords related to productivity, construction industry, construction workers, and supervisory personnel.

FINDING AND DISCUSSION



CONCLUSION

In conclusion, it can be stated that Scopus metadata and VOS Viewer tools serve a valuable purpose in constructing a bibliometric network map related to the productivity of construction foreman. Furthermore, these tools possess the capability to elucidate the connections among author distribution, countries of origin, and pertinent keywords. This highlights the significant contribution of both these instruments in facilitating a comprehensive bibliometric analysis of this specific topic.

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