

Mapping Management of Innovation and Leadership in the Sustainability of an Organization; Bibliometric Analysis 2020-2022

Zudi Rahmawan, Wulandari Destri, Parjiyati,

Rika Wulansari, Rr. Tisie Yuhara

Departemen of Master Management Sarjanawiyata Tamansiswa University, Indonesia

Ariff Muhamed

Faculty of Business and Management, Universiti Teknologi Mara, Malaysia

Abstract

Purpose - Article This paper presents and discusses the impact of an innovation implemented by leadership on the sustainability of an organization which is taken from mapping through bibliometric analysis. In order to compete with other organizations, organizations must have innovation and be innovative in looking for new ideas or breakthroughs. In fact, there have been many studies related to management innovation. But here we are interested in examining how much researchers who conduct innovation management research directly related to leadership use bibliometric analysis through VOSViewer.

Design/methodology/approach - We use a bibliometric method and review related to Innovation and Leadership management. We obtained the data source for the bibliometrics through the Scopus database.

Findings and Discussion – The results of research with mapping using the keyword "Management Innovation" show two clusters. In the first cluster there are 2 interrelated elements, namely study and innovation which are closely related to the innovation itself. In the second cluster there is only Development related to innovation. Innovation Connectivity between clusters can be seen through the nodes. The bigger the node, the higher the frequency of occurrence.

Conclusion - The study can be concluded that Innovation Management and Leadership are very closely related. It has been proven that in the last 2 years there have also been many studies highlighting management innovation but most of them have researched management innovation in the education sector. In addition, Innovation Management also ranks first on the vosvieuers search page. The citations used for research also reach thousands in the article. Articles on innovation management also reach hundreds of articles published annually by various studies.

Keywords - innovation management, leadership, sustainability organizations

Introduction

In the current era of globalization, various human resource mindsets have changed. The primacy of the role, human resources in the organization is very important to support the progress of an organization. Interrelated to achieve goals in the

organization. In this case there is a great need for innovation in an organization. Therefore the Innovation Development is intended to make the innovations that have been created not stop being just innovations that are included in public service innovation competitions, but are targeted to be sustainable in the future by giving space to other parties. Creative innovation and creation have a major influence on building and developing organizations in various ways to develop today's increasingly advanced technologies (Haerana et al., 2022). With us having the right innovation in an organization, we can accurately know the strategy that must be carried out to get a wide and accurate market share (Prihartini & Sanusi, 2019). Innovation management is the spearhead of an organization or company so that the work process that includes all employees in the organization can find out what organizational strategies should be carried out so that the organization is not left behind from other competitors and can develop rapidly and advance (Nurjana, 2015).

According to the existing literature, successful organizational innovation involves modifying various organizational components such as structure, processes, and culture in ways that help the organization achieve its desired goals, such as maximizing the chances of its survival or adapting more effectively to a changing organizational environment (Hadi, 2022; Hidayati et al., 2022; Park et al., 2021). In an organization, innovation occurs in the form of introducing a newly implemented system, which makes an organization more mature and able to compete. Innovation as the successful application of creative ideas within a company (Prabawa & Rizan, 2015). An organization must have creative ideas, innovation so that the company can progress. According to Rogers, innovation is "an idea, practice, or object perceived as new by the individual or another unit of adoption" or an idea, or object that is considered or felt as something new by a person, group or society (Budiat, 2016). Rogers' definition is too simple and can be misleading, because it only uses the 'novelty' parameter to determine whether something is an innovation or not. Based on various opinion of experts, the definition of innovation can be summarized as follows.

"Innovation is a new change towards improvement, which is different in nature or different from what existed before, specific and unique, which is deliberately planned systematically based on knowledge and technology-based concepts. Innovation Management is the process of managing, organizing in a company so as to produce economic and social success in an efficient and effective manner that requires fresh ideas (Hadi et al., 2023; Hasrah, 2013). The dimensions of innovation according to Avanti Fontana include the following: 1. Product Innovation 2. Process Innovation 3. Distribution Innovation (Prihartini & Sanusi, 2019). The importance of innovation in improving organizational performance, in this case organizational performance is an important matter to be discussed in this study. Where is the current position of the State of Indonesia?

Indonesia is currently in a backward position in the world economy which has led to the era of globalization. This is of course a very big challenge for the future of Indonesia, especially when it is linked to strategies, at both the macro and micro

levels for increasing competitiveness in the future. 2,468 executives from 58 countries representing major industries stating that 66% of respondents consider innovation to be the focus of one of their top three strategies (Anand et al., 2021). It is very important that innovation for an organization is continuous with one another without stopping at one point. Not only one, innovation is also considered as a driving factor for the growth and development of an organization. So that for organizations that are always innovating, it is hoped that they can improve performance within the organization, innovation must always be created and continue to grow.

Therefore, we are interested in seeing research on Management Innovation. This research is the first step to look at existing research and find research themes related to Management Innovation. Several questions are used to focus this research. How's the latest? Research on Management Innovation for the last 2 years? Who are the influential authors in this study? What keywords are the focus of this research? By answering this question, we can finally enter into further research related to Management Innovation with a theme that is still minimal to research. This research takes the title "Mapping Innovation Management and Leadership in the Sustainability of an Organization; Bibliometric Analysis 2010-2022".

Literature Review

This literature tries to find out how big the influence of innovation and leadership in the development of an organizational management has been used as research material. To find that out, we use bibliometric analysis with VOSViewers as a supporting application. Innovation is a crucial factor for a company to maintain its competitive advantage and become a market leader. In a knowledge-based society, business organizations face challenges not only for products and services. Lack of knowledge as a factor inhibiting innovation is of concern to this research because it is an obstacle to the innovation performance of manufacturing companies in Indonesia. These obstacles are through various aspects such as unqualified human resources, technology that is still lagging behind, knowledge about market share that is less qualified (Novitasari et al. 2021).

Fairchild in Kartono2 argues that a leader in its broadest sense is a person or leader who has the power to influence, regulate, psychologically and sociologically approach his subordinates so that a good performance mechanism runs in an organization. In line with this, Sudriamunawar argued that a leader must have intelligence in any situation in leading the organization so that the vision and mission within the organization can be achieved and realized in accordance with what has been determined. previously. Leadership is an interaction between members of a group so that leaders are reformers, agents of change, people whose behavior will influence others more than the behavior of other people who influence them, and leadership itself arises when one group member changes the interest motivation of other members in the group. Bernards M. Bass, argues that a leader is what is within oneself or an individual leader to be able to influence other people

or subordinates so that they can work well to achieve the desired goals. Zainullah et al (2020).

Methods, Data, and Analysis

To answer the research questions, we used a bibliometric method and reviewed those related to Innovation Management and Leadership. We obtained the data source for the bibliometrics through the Scopus database. In data mapping, we use VOSViewer (van Eck & Waltman, 2010). The results of the data mapping will be reviewed and compared with mapping data from other journals. Bibliometric analysis helps in outlining and mapping scientific research with established themes. Journalized research data is very large in volume and requires time to be mapped manually. Bibliometric analysis aims to help create an overall picture of a particular theme, show the interrelationships between published journals, and generate ideas for further research (Nandiyanto et al., 2020).

Thus bibliometric analysis makes it easier for researchers to describe large data (Anand et al., 2021). A bibliometric first step can help the researcher to see gaps in previous research themes. The search was carried out in the Scopus database, on October 17 2022. In the search terms in all titles, abstracts and keywords, the words “Management Innovation and Leadership” were written. The filter used was the document year range from 2020 to 2022. The search results found 165 articles published, which will be the material for analysis.

Discussion and Results

The results of mapping using articles from 2020 and 2022



Figure 1. Keyword mapping image

Mapping using the keyword Innovation Management shows the map as follows in graph 1. In the network visualization graph above three clusters appear, distinguished by yellow and gray colors. In the yellow cluster there are 2 interrelated elements, namely innovation and management which are closely

related to the management itself. In the gray color cluster there is only management related to Innovation.

Connectivity innovations between clusters can also be seen through nodes. The bigger the node, the higher the frequency of occurrence. Each cluster has a main keyword related to a particular topic.

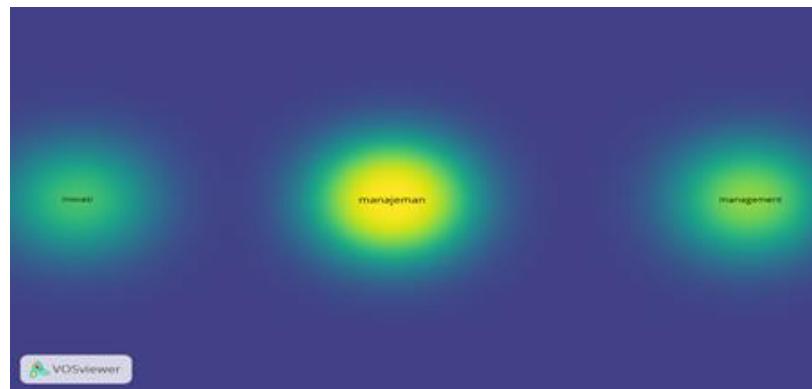


Figure 2. Keyword depth image

Graph 2 above shows the VosViewer Analysis for keyword depth mapping. The bright yellow color indicates that the keyword is often used in research.

Table 1. Journal Based on Rank.

Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher
35	17.50	1	N Lutfiani, EP Har...	Inovasi Manajemen Proyek I-Lear...	2020	InfoTekJar: Jurnal ...	academia.edu
35	35.00	2	S Sisca, HMP Sima...	Manajemen Inovasi	2021		books.google.com
8	8.00	3	A Alwiyah, S Sayyi...	Inovasi manajemen pengajuan ju...	2022	Technomedia ...	ijcilearning.co
4	4.00	4	NUR SA'IDU	Difusi Inovasi Manajemen Peruba...	2021	CENDEKIA: Jurnal Ilmu Pe...	jurnalp4i.com
13	13.00	5	D Hutagalung, D ...	Membangun Inovasi Organisasi ...	2021	Edukatif: Jurnal Ilmu ...	edukatif.org
16	16.00	6	D Novitasari, D Hu...	Kinerja Inovasi Di Era Revolusi Ind...	2021	Edukatif: Jurnal Ilmu ...	edukatif.org
5	2.50	7	U Qadri, R Wahyu...	Inovasi Manajemen Pengelolaan ...	2020	Eksos	ejurnal.polnep.ac.id
0	0.00	8	A Wahab, G Sujon...	Inovasi Manajemen Kurikulum Sa...	2021	Chalim Journal of ...	pasca.jurnalikac.ac.id
15	7.50	9	R Rizal, SJ Wilade, ...	Peningkatan Inovasi Layanan Pen...	2020	Educate: Jurnal ...	ejournal.uika-bogor.ac.id
5	2.50	10	G Wibowo	Manajemen Inovasi: Promosi Da...	2020	Jurnal Manajemen Publik ...	odfs.semanticscholar.org

Note: Image taken October 20, 2022 Source: VosViuwer

Table 2. Journal Based on Situation

Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher	Type
1967	1967.00	98	HE Mulyasa	Manajemen pendidikan karakter	2022		books.google.com	BOOK
1468	1468.00	111	HE Mulyasa	Manajemen dan kepemimpinan ...	2022		books.google.com	BOOK
409	204.50	61	H Harras, E Sugiar...	Kajian Manajemen Sumber Daya ...	2020	Unpam Press		CITATION
335	335.00	44	T Triwyanto	Manajemen kurikulum dan pemb...	2022	books.google.com		BOOK
241	120.50	169	N Sunardi, R Lesm...	Konsep Icpower (Wiramadu) seb...	2020	JIMF (Jurnal Ilmiah Manaj...		CITATION
131	65.50	177	R Pratama	Pengantar Manajemen	2020	books.google.com		BOOK
128	128.00	101	Y Rahmanto	Rancang Bangun Sistem Informa...	2021	Jurnal Data Mining Dan Si...	ejurnal.teknokrat.ac.id	
115	115.00	24	Z Nâ'îm, A Yulisti...	Manajemen Pendidikan Islam	2021	repository.penerbitwidina...		
112	56.00	131	G Mojambu, JE Tu...	The Influence of Top Manageme...	2020	Available at SSRN 3541856	papers.ssrn.com	
106	53.00	51	M Asbari, CC Hyu...	HARD SKILLS DAN SOFT SKILLS: ...	2020	... Manajemen ...	e-journal.staima-alhikam....	HTML

Note: Image taken October 20, 2022 Source: VosViuwer

Table 3. Journal Based on Annual Issues

Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher	Type
1967	1967.00	98	HE Mulyasa	Manajemen pendidikan karakter	2022	books.google.com	BOOK	
1468	1468.00	111	HE Mulyasa	Manajemen dan kepemimpinan ...	2022	books.google.com	BOOK	
335	335.00	44	T Triwyanto	Manajemen kurikulum dan pemb...	2022	books.google.com	BOOK	
409	204.50	61	H Harras, E Sugiar...	Kajian Manajemen Sumber Daya ...	2020	Unpam Press	CITATION	
128	128.00	101	Y Rahmanto	Rancang Bangun Sistem Informa...	2021	Jurnal Data Mining Dan Si...	ejurnal.teknokrat.ac.id	
241	120.50	169	N Sunardi, R Lesm...	Konsep Icepower (Wiramadu) seb...	2020	JIMF (Jurnal Ilmiah Manaj...	CITATION	
115	115.00	24	Z Na'im, A Yulistiyy...	Manajemen Pendidikan Islam	2021	repository.penerbitwidina...		
91	91.00	79	G Gunawan, AA P...	Pembelajaran menggunakan lear...	2021	Indonesian ...	journal.publication-cente...	
84	84.00	93	A Mayasari, Y Sup...	Implementasi Sistem Informasi M...	2021	JIIP-Jurnal Ilmiah Ilmu ...	jiip.stkipyapisdompnu.ac.id	
131	65.50	177	R Pratama	Pengantar Manajemen	2020	books.google.com	BOOK	

Note: Image taken October 20, 2022 Source: VosViewer

From the 3 tables above we can conclude that writing with title Project Management Innovation from authors N. Lutfiana et al occupies the top rank, followed by Innovation Management from authors S. Sisca et al in 2nd place. Ralavel-based KKP submission management innovation from authors A. Alwiyah et al ranks 3rd, followed by Diffusion Management Innovation in rank 4 , rank 5 and so on can be seen in table 1 above.

Table 2 shows the sequence based on known citations of character education management from HE. Mulyasa had the highest citations, reaching 1967 citations, followed by leadership management, which reached 1467 citations. And the next sequence is a human resource study from H. Harras in 3rd place with 409 citations. For further orders can be seen in table 2 above.

Table 3 shows the published articles each year. We can see that the 1st and 2nd places are occupied by HE. Mulyasa and the next order can be seen in table 3 above. In this study we used the keyword management innovation to obtain the above data. By looking at the results of the research above, we can see that the latest research on innovation management focuses more on character education management. In fact, we can see that during the last 2 years, more research on management innovation on education and schools has been carried out than innovation management in a company. In terms of innovation the author HE. Mulyasa was very influential on writing or other research as evidenced by the large number of citations taken from HE. Mulyasa.

Conclusion

Innovation Management and Leadership are closely related. In the last 2 years there have also been many studies highlighting management innovation but most of them have examined management innovation in the education sector. In addition, Innovation Management also ranks first on the vosvieuwers search page. The citations used for research also reach thousands in the article. Articles on innovation management also reach hundreds of articles published by various studies every year.

Suggestion

Bibliometric analysis related to innovation management mapping is of particular concern because in its analysis it ranks first. This indicates the importance of

innovation management and leadership for an organization. In relation to study and development, it is necessary to improve and develop jointly and continuously. This enables the achievement of common goals (organizational vision and mission), adequate financial achievement, and an organizational structure that continues to keep pace with the changing times. Related researchers need various relevant references in developing innovation management and leadership. then besides study and development, cooperation is needed in various fields. cooperation has the opportunity to add internal factors that are needed by both parties. with cooperation, can provide mutual benefits in the results of achieving innovation and leadership, developing the company horizontally and vertically. Horizontally that the organization is able to protect its members and the general public. Vertically able to develop a more advanced and sustainable organization towards the future.

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