

Article Reviews

Research on Covid-19 Human Security Disaster Management in Indonesia Using VOSviewer Bibliometrics

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Abstract

The research that has been completed is to take a gander at the treatment of the Coronavirus human security catastrophe in Indonesia, which is ordered by Scopus. Alluding to the assertion from the United Nations Development Programme (UNDP) concerning human security, there are seven regions concerning well-being security, ecological security, food security, financial security, individual security, local area security, and political security. Of the seven fields, one of them involves well-being security, and the Coronavirus Pandemic has something to do with well-being matters which fall into the classification of the well-being security area. UNDP characterizes well-being security as insurance from illnesses and unfortunate ways of life, undermining lacking medical services, new and intermittent infections including pestilences, pandemics, unfortunate nourishment, and risky ways of life. No exploration has seen that the Coronavirus Pandemic is important for a debacle that is remembered for the classification of human security. This review took information online through the Scopus data set, which was then dissected using the VOSviewer bibliometric representation. The discoveries in this study are that the Coronavirus Pandemic fiasco is a human medical condition that falls into the classification of the field of human security, and scholastics and scientists from Indonesia as yet direct very few examinations, finding just 25 reports in a hunt on 12 February 2023 from the Scopus data set.

Keywords Disaster management, Covid-19, Human security, VOSviewer bibliometrics, Indonesia

INTRODUCTION

The studies that have been done are discovering health safety, or it could be said as a health phenomenon that exists in society which is included within the category of human security in line with the United Nations Development Programme (UNDP), and studies that changed into performed for the duration of the Covid-19 Pandemic in Indonesia. The Covid that caused Coronavirus Pandemic happened in different regions of the planet, as well as Indonesia, the Coronavirus Pandemic is a medical problem, and well-being matters are remembered for human security. The UNDP makes sense that there are seven regions in human security, to be specific: financial security, food security, well-being security, natural security, individual security, local area security, and political security (UNDP, 1994). Of the seven fields, one of them involves well-being security, and the Coronavirus Pandemic has something to do with issues of human well-being which are remembered for the class of well-being security. UNDP characterizes well-being security as insurance from sicknesses and unfortunate ways of life, which undermine lacking medical services, new and repetitive illnesses including pestilences, and pandemics, unfortunate nourishment, and dangerous ways of life. The Coronavirus pandemic is a typical issue for scholastics all over the planet, remembering in Indonesia (Airlangga & Akrim, 2020; Qodir et al., 2020).

Scholastics and analysis contend with one another in distributing their articles so they can be distributed in trustworthy worldwide diaries ordered by Scopus. Indonesian scholastics and specialists in their exploration will more often than not take a gander at three central concerns;

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First, Coronavirus causes injury in the local area, there is mental strain, and well-being and clinical issues that outcome in death (Abdullah, 2020; Aldila et al., 2020; Angeline et al., 2020; Ansori et al., 2020; Ing et al., 2020; Yuliana, 2020). Second, Coronavirus debilitated the worldwide economy (Azikin et al., 2020; Caraka et al., 2020; Falefi et al., 2020). Third, Coronavirus has changed the correspondence example of a country's administration framework and the schooling system through restricted web-based education and learning exercises (Nurmandi et al., 2020). Of the three past exploration patterns, no examination has seen that the Coronavirus Pandemic is important for a calamity that is remembered for the class of human security wherein there involves well-being security, then, at that point, investigated with the VOSviewer bibliometrics. This examination can supplement the weaknesses of past investigations on the Coronavirus Pandemic, which depended on information from the Scopus data set through a bibliometric way to deal with dissecting Coronavirus in Indonesia.

LITERATURE REVIEW

The treatment of the human security debacle during the Coronavirus pandemic, who directed their exploration utilizing the VOSviewer bibliometrics, still very few Indonesian scholastics and scientists did all necessary investigation. The bibliometric strategy, which initially began in library and data science (Pritchard, 1969), the instrument applied in the VOSviewer bibliometrics, can assess the advancement of a logical discipline (Zupic & C*ater, 2015). The VOSviewer bibliometric technique is additionally equipped for arranging book references from existing writing (Donthu et al., 2020). A few specialists who have utilized and have utilized bibliometrics to examine their articles are Ramos-Rodrígue et al. (2004) in the field of logical correspondence research, Borgman & Furner (2002) in the field of dairy influence estimation examination research, Glanzel & Moed (2002), in the field of college positioning examination research (Moed et al., 1985; Raan, 2014) and a few different scientists.

The bibliometric examination has likewise been utilized in different exploration fields like examination on development (Biemans et al., 2007), research on administration (Zupic & Cˇater, 2015), research on the travel industry (MerigʻHai et al., 2019; Mulet-Forteza et al., 2018; Vishwakarma & Mukherjee, 2019), business research (Valenzuela-Fernandez et al., 2019), and research in geophysics (Mulet-Forteza et al., 2020). While research on human security in the field of ecological security on environmental change influences from carbon use (An et al., 2022), other than that, exploration of human security in the field of food security has been done by Bellia et al. (2022) about collaborations between road food and sanitation points in the logical writing a bibliometric examination with science planning. In contrast to Okolie and Ogundeji (2022), who explored the effect of Coronavirus on food security, as of recently, there has been no examination that explicitly talks about the Coronavirus pandemic as a feature of a fiasco that is remembered for the security classification in which there is well-being security which is then examined by VOSviewer bibliometrics.

RESEARCH METHOD

In directing this examination, the strategy utilized was the examination of the VOSviewer bibliometric audit in light of Scopus-listed diary articles. Information was drawn from the biggest data set of multidisciplinary peer-inspected Scopus writing (Mongeon & Paul-Hus, 2016). Online information assortment was completed on 12 February 2023 because of the watchwords "Fiasco The board and the Coronavirus Pandemic" and tracked down 1,959 articles. Then the specialist reduced the words to "Human Security and the Coronavirus Pandemic in Indonesia", which found 25 article records. Articles chosen from the Scopus data set are stored as a CSV record. Then, at that point, broke down utilizing investigation with VOSviewer programming. To give an unmistakable

picture should be visible in the exploration stream in Figure 1 underneath:

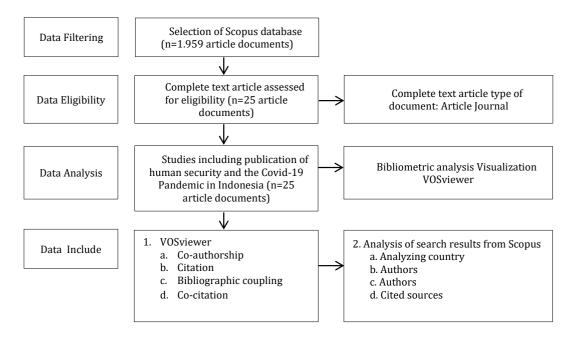


Figure 1. Bibliometric analysis work steps using VOSviewer

FINDINGS AND DISCUSSION

From the information acquired from the Scopus data set through indexed lists, there are very few examinations from Indonesian scholastics or scientists on treating the human security calamity in the Coronavirus pandemic, particularly regarding well-being security which is remembered for the field of human security. There are 1,959 reports from the Scopus data set on the Coronavirus catastrophe on the board, while information on Coronavirus in Indonesia contains 4,319 records. Then a more unambiguous quest for Indonesian essayists who expounded on Coronavirus tracked down 34 records. Besides, regarding human security and the Coronavirus pandemic, there are 2,649 reports, specifically on bibliometric exploration and human security; there are 101 archives, as well as VOSviewer examination and human security, there are 22 records. From a few fitting information, a few records are qualified for research that has been done, specifically information on human well-being and the Coronavirus Pandemic in Indonesia which contains 25 reports. Reports from the Scopus data set come from diaries, procedures, gatherings, and book audits; 25 examination records on human security and the Coronavirus Pandemic in Indonesia should be visible in the Table 1.

Table 1. Scopus article document

Article Title	Authors	Publication Year	Document Source
The COVID-19 pandemic impact on the global tourism industry SMEs: a human capital development perspective	Faeni, D.P., Puspitaningtyas Faeni, R., Alden Riyadh, H., Yuliansyah, Y.	2023	Review of International Business and Strategy 33(2), pp. 317-327
Indonesian Food Law Politics in the Era of the Covid-19 Pandemic to Realize Food Security	Pajrin, R., Wiwoho, J., Imanullah, M.N., Pujiyono	2023	AIP Conference Proceedings 2586,070011

The effect of health gate sterilizer use on work motivation during post-COVID-19 pandemic: an analysis of educational staff	Paramitha, S.T., Komarudin, K., Fitri, M., Ramadhan, M.G.	2022	Journal of Public Health in Africa 13(s2),2417
COVID-19 public health and social measures: a comprehensive picture of six Asian countries	Foo, C.D., Verma, M., Tan, S.M., Tangcharoensathien, V., Legido-Quigley, H.	2022	BMJ Global Health 7(11),e009863
The effects of the Covid-19 pandemic on food safety between Indonesia and Bangladesh: A comparative study	Prasetya, T.A.E., Mamun, A.A., Rosanti, E., Arifah, D.A., Maruf, K	2022	Heliyon 8(10),e10843
Public health face mask detection of Covid-19 utilizing convolutional neural network (CNN)	Putri, T.S.N.P., Fikih, M.A., Kasan, N., Setyawan, N.	2022	AIP Conference Proceedings 2453,020056
The evaluation of the effect of Gammarana intervention in reducing stunting during the Covid-19 pandemic: Protocol evaluation of stunting intervention in Enrekang District	Sirajuddin, Sirajuddin, S., Thaha, R., Junadi, P., Ali, P.B.	2022	Journal of Public Health Research 11(1),2393
Information Security Awareness Evaluation of Telemedicine Application Users using Human Aspect Information System Questionnaire	Destya Atlanta, N.S., Candiwan, C., Sari, P.K., Omar Sharif, O.	2022	IEEE 8th International Conference on Computing, Engineering, and Design, ICCED 2022
Permaculture Landscape as an Adaptive Strategy towards Food Security at Community-Scale	Kurniawati, I., Dahlan, M.Z., Faisal, B.	2022	IOP Conference Series: Earth and Environmental Science 1092(1),012015
The Importance of Strengthening Legal Concepts in Overcoming Cybercrime During the Covid-19 Pandemic in Indonesia	Ardiansyah, Rafi, M., Amri, P.	2022	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 13333 LNCS, pp. 469-479
4th International Conference on HCI for Cybersecurity, Privacy, and Trust, HCI-CPT 2022 Held as Part of the 24th HCI International Conference, HCII 2022	[No author name available]	2022	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 13333 LNCS
The COVID-19 pandemic from the perspective of Indonesia's national security	Azizah, M., Subiyanto, A., Triutomo, S., Aji, L.J.	2021	E3S Web of Conferences 331,01006
The development of a face recognition model in the Indonesia pandemic context based on Dunn and arc face loss function	Wirianto, Mauritsius, T.	2021	International Journal of Innovative Computing, Information and Control

			17(5), pp. 1513- 1530
Global Fund contributions to health security in ten countries, 2014–20: mapping synergies between vertical disease programs and capacities for preventing, detecting, and responding to public health emergencies	Boyce, M.R., Attal- Juncqua, A., Lin, J., McKay, S., Katz, R.	2021	The Lancet Global Health 9(2), pp. e181- e188
Words matter: Political and gender analysis of speeches made by heads of government during the COVID-19 pandemic	Dada, S., Ashworth, H.C., Bewa, M.J., Dhatt, R.	2021	BMJ Global Health 6(1),3910
Institutionalizing wastewater surveillance systems to minimize the impact of COVID-19: Cases of Indonesia, Japan, and Viet Nam	Takeda, T., Kitajima, M., Huong, N.T.T., Hung, D.T., Haramoto, E.	2021	Water Science and Technology 83(2), pp. 251-256
Face Mask Detection using Haar Cascade Classifier Algorithm based on the Internet of Things with Telegram Bot Notification	Rahmatulloh, A., Gunawan, R., Sulastri, H., Pratama, I., Darmawan, I.	2021	2021 International Conference Advancement in Data Science, E- Learning and Information Systems, ICADEIS 2021
Food security challenges and opportunities in Indonesia post- COVID-19	Rozaki, Z.	2021	Advances in Food Security and Sustainability 6, pp. 119-168
Decision support system for cash direct assistance for victims of the covid-19 outbreak based on cloud computing	Inayatulloh	2021	Proceedings of the International Conference on Industrial Engineering and Operations Management pp. 2617-2624
5th IFIP WG 5.15 International Conference on Information Technology in Disaster Risk Reduction, ITDRR 2020	[No author name available]	2021	IFIP Advances in Information and Communication Technology 622
Tropical peatlands and their conservation are important in the context of COVID-19 and potential future (zoonotic) disease pandemics	Harrison, M.E., Wijedasa, L.S., Cole, L.E.S., Upton, C., Page, S.	2020	PeerJ 8,e10283
Indonesian government's COVID-19 measures, January-may 2020: Late response and public health securitization	Chairil, T.	2020	Jurnal Ilmu Sosial dan Ilmu Politik 24(2), pp. 128-152
Sentiment Analysis of the Covid-19 Virus Infection in Indonesian Public Transportation on Twitter Data: A Case Study of Commuter Line Passengers	Sari, I.C., Ruldeviyani, Y.	2020	2020 International Workshop on Big Data and Information Security, IWBIS 2020 9255531, pp. 23- 28
Determinants of psychological distress of Indonesian health care	Margaretha, S.E.P.M., Effendy, C., Kusnanto, H., Hasinuddin, M.	2020	Systematic Reviews in Pharmacy

providers during the COVID-19 pandemic			11(6), pp. 1052- 1059
COVID-19, agriculture, and food security in Indonesia	Rozaki, Z.	2020	Reviews in Agricultural Science 8, pp. 243-261

Source: Scopus Databases

Table 2. Co-authoring related to the author's country

Country	Scopus Article Documents
Indonesia	21
Singapura	2
Vietnam	2
Amerika Serikat	2

Source: Scopus database processed by VOSviewer

From Table 2 above, in regards to the nation of the beginning of specialists who research human security and the Coronavirus Pandemic in Indonesia, it is found that Indonesian scientists have 21 report articles distributed in Scopus, while analysts from Singapore, Vietnam, and the US have similar records, for example, there are two archives. To see the organization in creator hubs by country, you can see Figure 2 underneath:

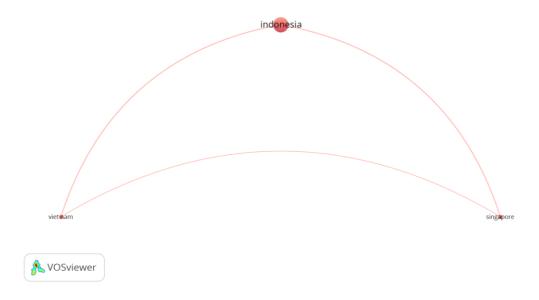


Figure 2. Network of co-authoring articles on human security and the Covid-19 Pandemic in Indonesia in terms of countries

Figure 2 above shows the co-composing of articles about human security and the Coronavirus pandemic in Indonesia. In Figure 2, the enormous hubs show a huge country, specifically Indonesia, which has 21 report articles. The connections between hubs show the connection among nations, and the thickness of the connections or lines and the distance between hubs show the degree of a coordinated effort between nations recorded as hard copy articles about human security and the Coronavirus Pandemic in Indonesia. Then bibliometric examination VOSviewer will dissect the number of references by the creator, from the Scopus data set, find the names of creators who have

been distributed in Scopus and refer to one another; this matter should be visible in the Figure 3 below.

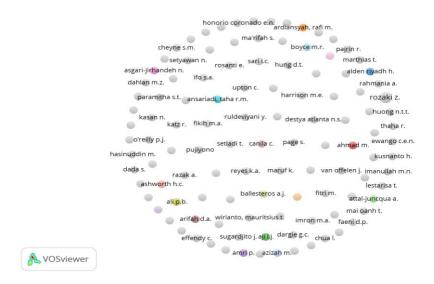


Figure 3. Author Citation Network

From figure 3, over the names of the writers who composed articles about human security and the Coronavirus Pandemic in Indonesia, there are 25 records showing that in a meta-examination of the number of writer references, each writer has something like one reference. In the representation introduced in Figure 3, every hub addresses a creator or a gathering of creators. Bigger hubs demonstrate more persuasive creators. However, the outcomes above have similar reports and have several references by different creators. Moreover, the VOSviewer bibliometric examination will see the degree to which the creator's bibliographic cooperation is connected, and should be visible in the picture underneath.

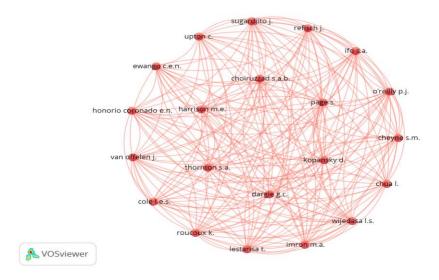


Figure 4. Author bibliographic coupling network

Figure 4 above shows the VOS watcher's bibliometric examination of human security and the Coronavirus Pandemic in Indonesia, the after-effect of which is a writer bibliographic coupling examination of 25 articles meeting the limit that has something like one reference in each writer.

In the perception introduced in Figure 4, every hub addresses a creator, or a gathering of creators, really bigger hubs can demonstrate more persuasive or critical creators. In any case, the outcomes that have been gotten above will generally share records, practically speaking, and have a few references among creators and different creators. Then, we will break down joint composing concerning the reference of dairy sources, which are broadly referred to, this should be visible in the table underneath:

Table 3. Co-Authoring of Journal Citations

Document Source	Citation
Food sec	12
Sci. total environ	9
Food sec.	12

Source: Scopus database processed by VOSviewer

The table above shows that the diary that is broadly referred to is the Food sec diary, while the second is the Sci diary. complete climate. For representation, see the picture beneath:



Figure 5. Journal citation network

From Figure 5 above, diary co-reference includes examining two diaries referred to in a third similar source (Little, 1973). This is to decide between two articles from various diaries referred to together in a similar third diary (Gaviria-Marin et al., 2018). The examination of VOSviewer bibliometric brings about the Scopus data set, beginning from the investigation of Co-origin - Dissecting nation, Reference - Writers, Bibliographic coupling - Writers, and Co-reference - Referred to sources; there is as yet an absence of Indonesian specialists in distributing their articles in trustworthy diaries, even under 25 scientists from Indonesia, since there are scientists from Singapore, Vietnam, and the US.

CONCLUSIONS

There are, as yet, very few scholastics or specialists from Indonesia who lead research and distribute in legitimate global diaries recorded by Scopus. Based on the Scopus data set, it just found 25 record articles where the underlying exploration showed up from 2020 to mid-2023. Research on Coronavirus human security debacle the executives in Indonesia is a hole or hole for additional exploration since there is little interest. Thusly, this study proposes further examination that obliges articles from respectable global diaries listed by Scopus or Web of Science, other than that

the technique utilized can consolidate investigation from one of the hypotheses as indicated by the VOSviewer bibliometrics, with the expectation and objective of getting greatest and far-reaching examination results.

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