

COVID19, SUSTAINABLE MOBILITY AND TRANSPORTATION RESEARCH

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ABSTRACT

Purpose: Constructs and visualizes bibliometric networks research in Covid19, Sustainable Mobility And Transportation Research with meta-analysis techniques using VOS-viewer analysis.

Design/methodology/approach: This research is a bibliometric analysis, a statistical evaluation of published books, or the chapters of a book, scientific articles in Covid19, Sustainable Mobility And Transportation Research, also it is an effectual way to measure the influence of publication in the scientific community. First analysis using Scopus.com analysis search result, Covid19, Sustainable Mobility And Transportation Research publication. Next analysis using VOS-viewer, a software tool for constructing and visualizing bibliometric networks in Covid19, Sustainable Mobility And Transportation Research field.

Findings: Based on VOS-viewer analysis in scopus.com. COVID19, mobility and transportation research publication, 2020-2021, 134 document results, scopus.com, best 3 affiliations are Texas A&M University, The University of Sydney, and Griffith University; best 3 countries and territories are United Kingdom, United States, and Australia; best 3 funding sponsor are National Natural Science Foundation of China, European Commission, and European Research Council.

Research limitations/implications: This research based on literature review.

Practical implications: This research provides an illustration of sustainable mobility and transportation research in during the Covid-19 pandemic.

Originality/value: This research is original.

Paper type: Research Paper

Keyword: BPS, Commuters, Covid-19, Transportation

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I. INTRODUCTION

The importance of Sustainable Mobility and Sustainable Transportation was based on BPS data regarding the 2019 Jabodetabek Commuter Survey. The survey showed that of the 29 million Jabodetabek residents aged five years and over, around 11 per cent were commuters. The highest percentage was found in Depok City, namely 19.6 per cent, while the district/city with the lowest percentage was Bekasi Regency, namely 7.3 per cent. 30.3 per cent of Jabodetabek commuters spent IDR 15,000 to IDR 25,000 for round-trip activities, while commuters who spend more than IDR 25,000 were 24.7 per cent. The primary employment status of most

commuters working in Jabodetabek was labour/employee (92 per cent). Of the 8.7 million households in the Jabodetabek area, 28.7 per cent of them were commuter households.

II. METHODOLOGY

This research is a bibliometric analysis, a statistical evaluation of published books, or the chapters of a book, scientific articles in Covid19, Sustainable Mobility And Transportation Research, also it is an effectual way to measure the influence of publication in the scientific community. First analysis using Scopus.com analysis search result, Covid19, Sustainable Mobility And Transportation Research publication. Next analysis using VOS-viewer, a software tool for constructing and visualizing bibliometric networks in Covid19, Sustainable Mobility And Transportation Research field.

III. RESULTS AND DISCUSSION

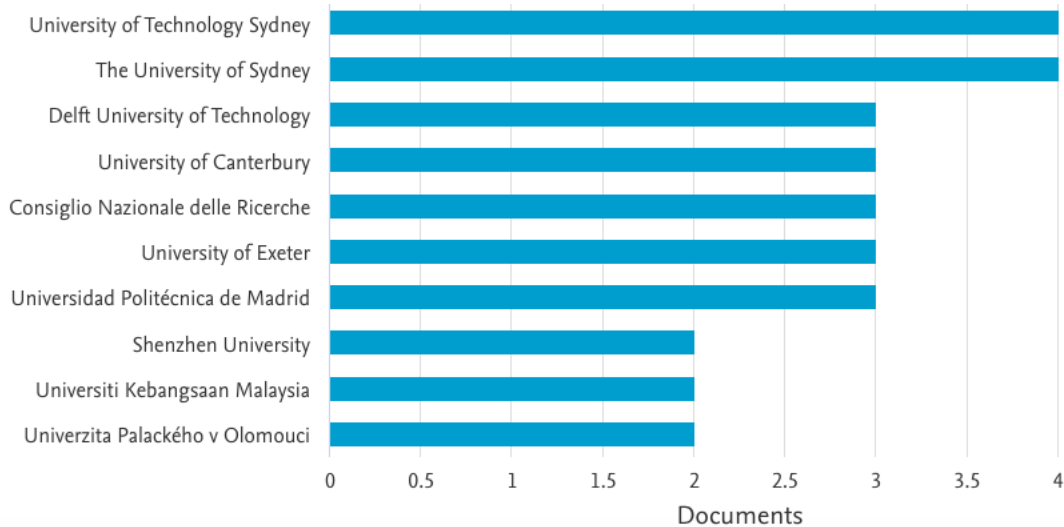


Figure 1. Analysis Research

First analysis using Scopus.com analysis search result, COVID19, mobility and transportation research publication, 2020-2021, 134 document results, affiliations more than 3 documents, include: University of Technology Sydney, The University of Sydney, Delft University of Technology, University of Canterbury, Consiglio Nazionale delle Ricerche, University of Exeter, and Universidad Politécnica de Madrid.

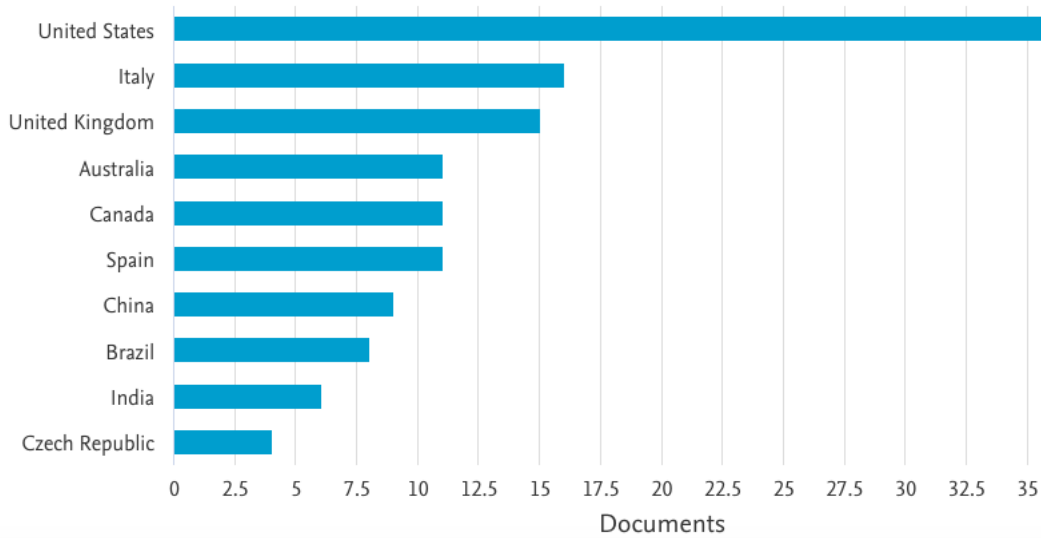


Figure 2. Analysis Research Publication

COVID19, mobility and transportation research publication, 2020-2021, 134 document results, in scopus.com, countries and territories more than 10 documents, include: United States, Italy, United Kingdom, Australia, Canada, and Spain.

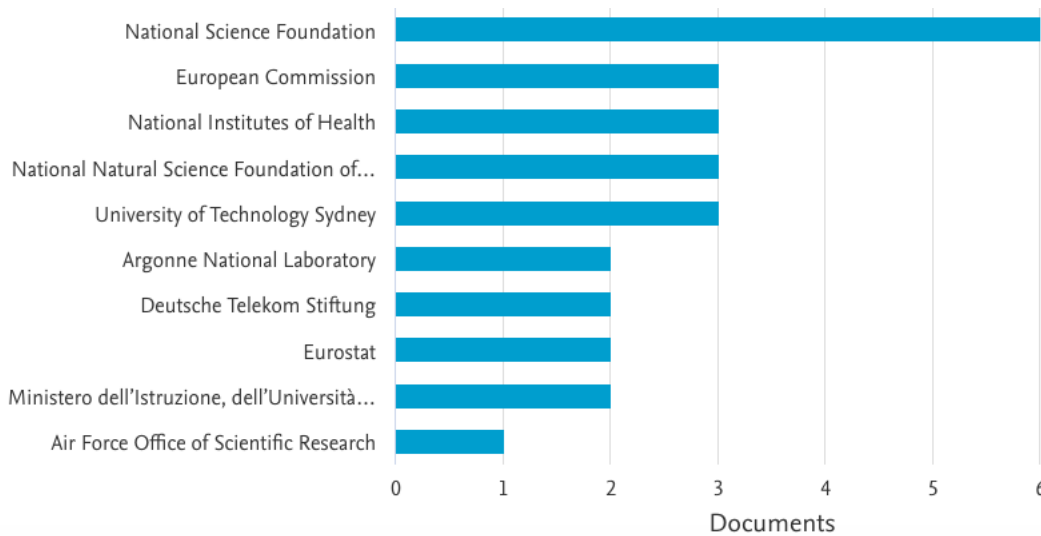


Figure 3. COVID19, mobility and transportation research publication

COVID19, mobility and transportation research publication, 2020-2021, 134 document results, funding sponsor more than 1 documents, include: National Science Foundation, European Commission, National Institutes of Health, National Natural Science Foundation of China, and University of Technology Sydney

Next analysis using VOS-viewer, a software tool for constructing and visualizing bibliometric networks. These networks may for instance include journals, researchers, or individual publications, and they can be constructed based on citation, bibliographic coupling, co-citation, or co-authorship relations. VOSviewer also offers text mining functionality that can be used to construct and visualize co-occurrence networks of important terms extracted from a body of scientific literature. COVID19, mobility and transportation research publication, 2020-2021, 134 document results.

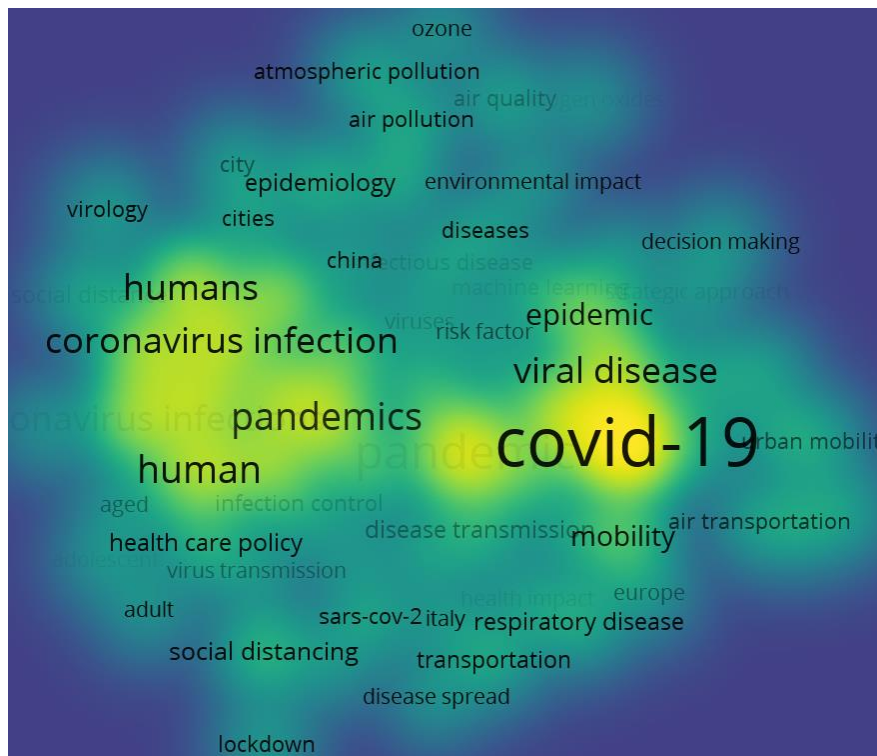


Figure 6. Density Visualization

From Network Visualization, Overlay Visualization and Density Visualization, most research subject in COVID19, mobility and transportation are COVID19, urban mobility, air transportation, social distancing, lockdown, cities, air pollution, and atmospheric pollution, are dominant.

IV. CONCLUSION

COVID19, mobility and transportation research publication, 2020-2021, 134 document results most research subject are COVID19, urban mobility, air transportation, social distancing, lockdown, cities, air pollution, and atmospheric pollution, are dominant, based on VOSviewer analysis in scopus.com. COVID19, mobility and transportation research publication, 2020-2021, 134 document results, scopus.com, best 3 affiliations are Texas A&M University, The University of Sydney, and Griffith University; best 3 countries and territories are United Kingdom, United States, and Australia; best 3 funding sponsor are National Natural Science Foundation of China, European Commission, and European Research Council.

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