



Workshop Analisis Bibliometrik

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[dunia publikasi](https://www.facebook.com/dunia.publikasi)



[dunia publikasi](https://www.youtube.com/dunia.publikasi)

Fenomena: Ledakan Informasi di Era Digital

A new scientific paper is published **every 30 seconds** and there are **10.000 updates** to PubMed every day

It is impossible for humans alone to process all of the complex information potentially available to them for the advancement of scientific research



Fenomena “Window Shopping”

Kebingungan dosen/peneliti/mahasiswa dalam mencari, dan membaca bahan pustaka !!



Solusi : Bibliometrik ??

Definisi Bibliometrik

The **application of mathematics and statistical methods** to book and other media of communication

Pritchard, 1969

Sebuah teknik yang digunakan untuk menyediakan **struktur sebuah jaringan** yang merujuk pada pertanyaan-pertanyaan, seperti apa **topik-topik utama** pada sebuah bidang ilmu tertentu, bagaimana **topik-topik tersebut berhubungan satu sama lain**, dan bagaimana **sebuah topik tertentu berkembang seiring waktu**

Van Eck and Waltman, 2010

Metode matematika dan statistika untuk mempelajari dan mengidentifikasi pola-pola dalam penggunaan literatur/publikasi sebagai bahan analisis untuk mengetahui **perkembangan dari literatur terutama kepengarangan, publikasi, dan penggunaannya**

Tupan dan Rachmawati, 2017



Contents lists available at ScienceDirect

Journal of Business Research

journal homepage: www.elsevier.com/locate/jbusres

How to conduct a bibliometric analysis: An overview and guidelines

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A B S T R A C T

Bibliometric analysis is a popular and rigorous method for exploring and analyzing large volumes of scientific data. It enables us to unpack the evolutionary nuances of a specific field, while shedding light on the emerging areas in that field. Yet, its application in business research is relatively new, and in many instances, underdeveloped. Accordingly, we endeavor to present an *overview* of the bibliometric methodology, with a particular focus on its different techniques, while offering step-by-step *guidelines* that can be relied upon to rigorously perform bibliometric analysis with confidence. **To this end, we also shed light on *when* and *how* bibliometric analysis should be used vis-à-vis other similar techniques such as meta-analysis and systematic literature reviews. As a whole, this paper should be a useful resource for gaining insights on the available techniques and procedures for carrying out studies using bibliometric analysis.**

Perbandingan Metode Systematic Review

Review type	Goal	When to use	When not to use	Scope	Dataset	Analysis
Bibliometric analysis	Summarizes large quantities of bibliometric data to present the state of the intellectual structure and emerging trends of a research topic or field.	- When the scope of review is broad. - When the dataset is too large for manual review.	- When the scope of review is specific. - When the dataset is small and manageable enough that its content can be manually reviewed.	Broad	Large	- Quantitative (evaluation and interpretation) - Qualitative (interpretation only)
Meta-analysis	Summarizes the empirical evidence of relationship between variables while uncovering relationships not studied in existing studies.	- When the focus of review is to summarize results rather than to engage with content, which may be broad or specific. - When studies in the field are homogenous. - When the number of homogeneous studies available is sufficiently high. - When the number of homogeneous studies remaining after removing low quality studies is sufficiently high.	- When studies in the field are heterogeneous. - When the number of homogenous studies is relatively low. - When the number of high-quality homogeneous studies is relatively low.	- Broad - Specific	- Large - Small but adequate	Quantitative (evaluation and interpretation)
Systematic literature review	Summarizes and synthesizes the findings of existing literature on a research topic or field.	- When the scope of review is specific. - When the dataset is small and manageable enough that its content can be manually reviewed.	- When the scope of review is broad. - When the dataset is too large for manual review.	Specific	Small	Qualitative (evaluation and interpretation)

Tujuan Bibliometrik

Performance analysis

Publication-related metrics

- Total publications (TP)
- Number of contributing authors (NCA)
- Sole-authored publications (SA)
- Co-authored publications (CA)
- Number of active years of publication (NAY)
- Productivity per active year of publication (PAY)

Examining Trend

Citation-related metrics

- Total citations (TC)
- Average citations (AC)

Evaluating Impact

Citation-and-publication-related metrics

- Collaboration index (CI)
- Collaboration coefficient (CC)
- Number of cited publications (NCP)
- Proportion of cited publications (PCP)
- Citations per cited publication (CCP)
- *h*-index (*h*)
- *g*-index (*g*)
- *i*-index (*i*-10, *i*-100, *i*-200)

Analyzing the Structure

Science mapping

Citation analysis

- Relationships among publications
- Most influential publications

Co-citation analysis

- Relationships among cited publications
- Foundational themes

Bibliographic coupling

- Relationships among citing publications
- Periodical or present themes

Co-word analysis

- Existing or future relationships among topics
- Written content (words)

Co-authorship analysis

- Social interactions or relationships among authors
- Authors and author affiliations (institutions, countries)

Peluang Riset Bibliometrik

ScienceDirect Journals & Books

Find articles with these terms:

bibliometric

Advanced search

Suggested publications:

10,327 results

Set search alert

Refine by:

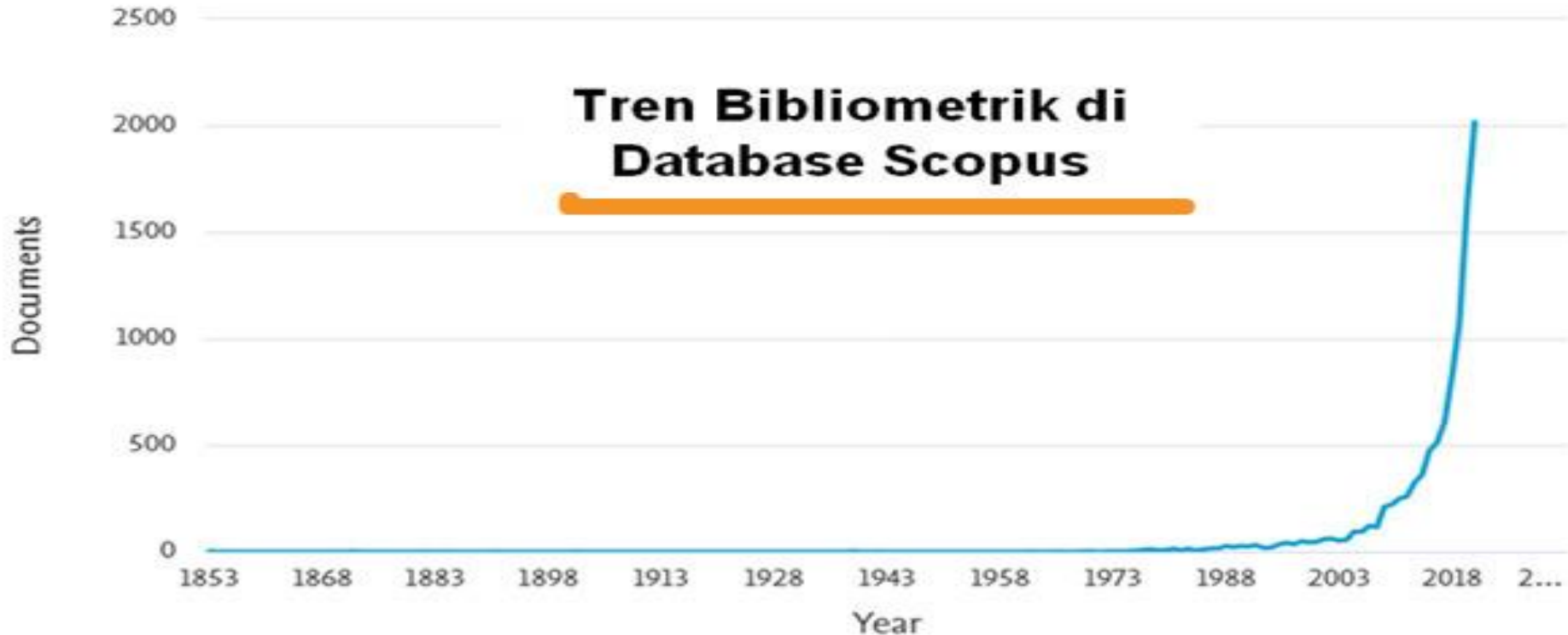
Download selected articles Export

Research article Open access

1 Academic entrepreneurship: A bibliometric engagement model
Annals of Tourism Research, 5 July 2021, —
Stefan Gössling, Brent D. Moyle, David Weaver

Peluang Riset Bibliometrik ...

Documents by year



→ Jumlah dokumen bibliometrik rata-rata per tahun mencapai 800 dokumen/tahun

Peluang Riset Bibliometrik + Vosviewer

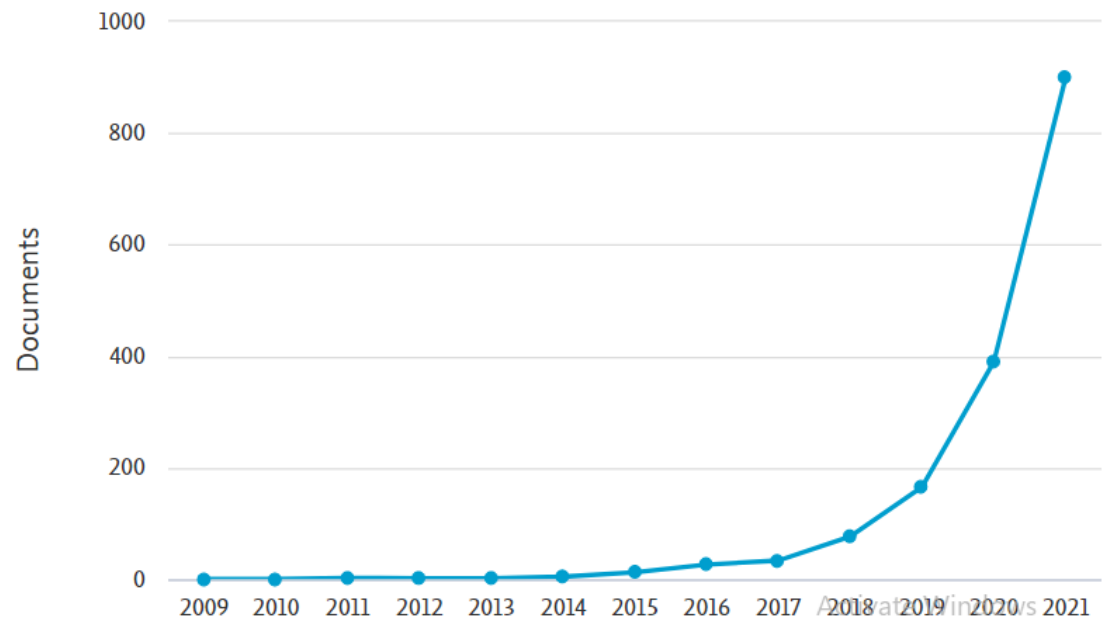
Scopus TITLE-ABS-KEY(bibliometric AND (vosviewer OR "vosviewer"))

1,620 document results

Select year range to analyze: 2009 to 2021 Analyze

Year ↓	Documents ↑
2021	899
2020	390
2019	166
2018	77
2017	34
2016	27
2015	13
2014	5

Documents by year



Paper Riset Bibliometrik



Status of the research in fitness apps: A bibliometric analysis

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Computers and Electrical Engineering 93 (2021) 107289



Computers and Electrical Engineering

journal homepage: www.elsevier.com/locate/compeleceng



Educational applications of augmented reality: A bibliometric study

Mauricio Hincapié^{a,*}, Christian Díaz^b, Alejandro Valencia^c, Manuel Contero^d, David Güemes-Castorena^{a,*}

A bibliometric analysis and visualization of blockchain

Yi-Ming Guo^{a,*}, Zhen-Ling Huang^a, Ji Guo^a, Xing-Rong Guo^b, Hua Li^a, Meng-Yu Liu^a, Safa Ezzeddine^a, Mpeoane Judith Nkeli^a

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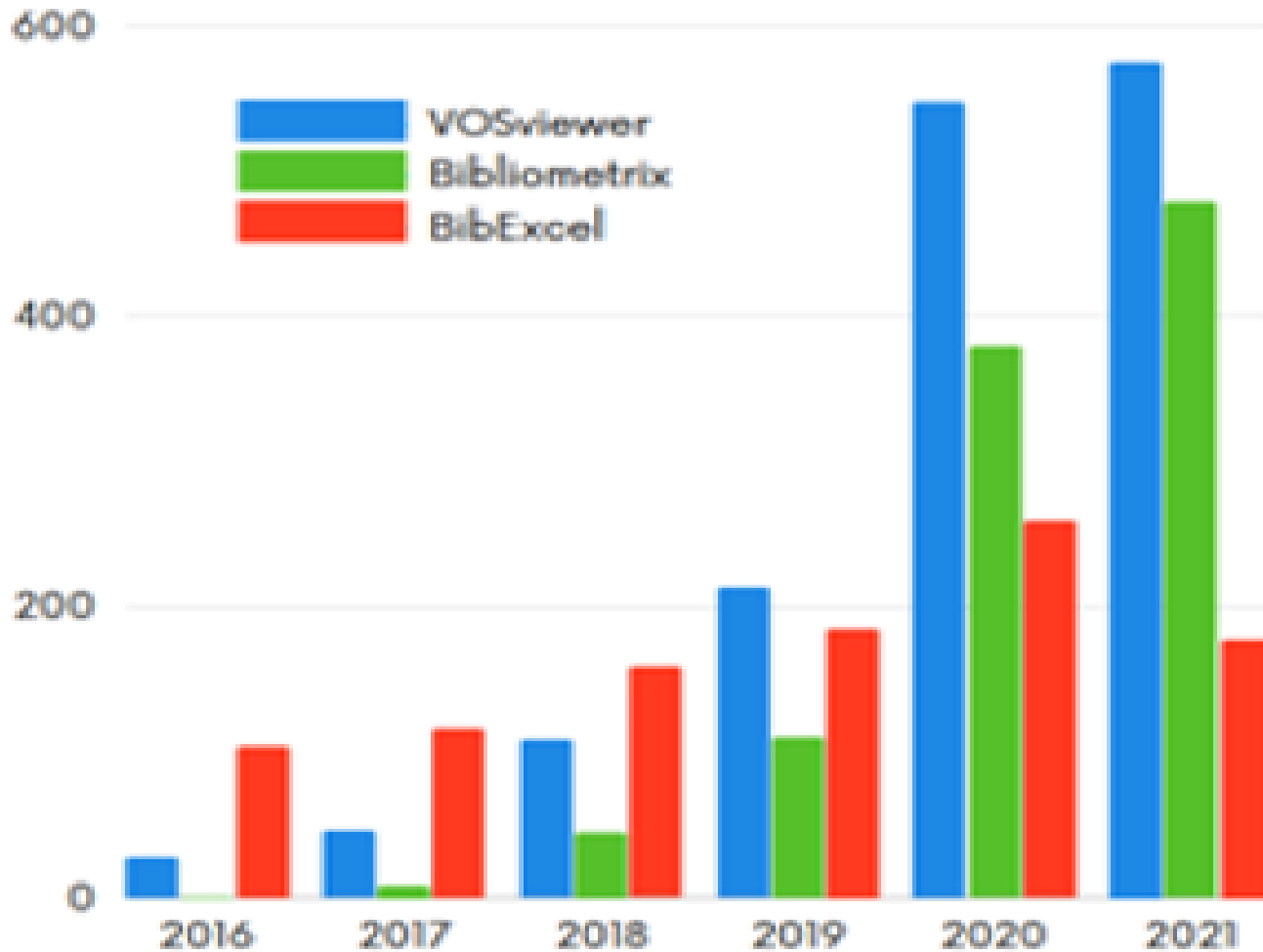
Komponen Bibliometrik

Data Bibliografi (Metadata):

- Nama Penulis, Tahun, Jurnal, Penerbit, etc
- Title, Abstract, Keyword
- Citation, H-index, co-citation, etc

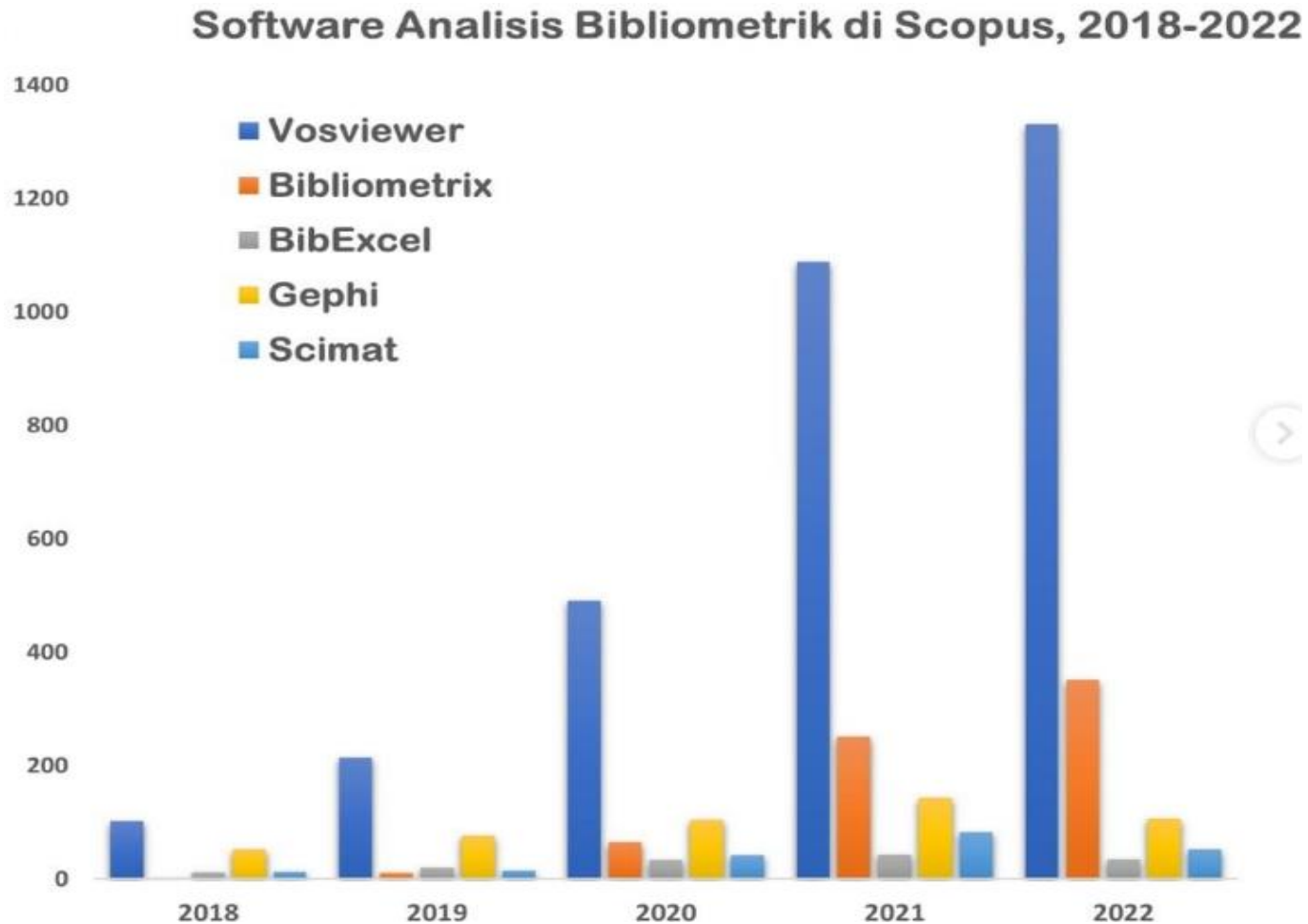
→ Tidak mencakup Full Teks Artikel (Systematic Review, Meta Analysis)

Software Analisis Bibliometrik



Dimension, Agustus 2021

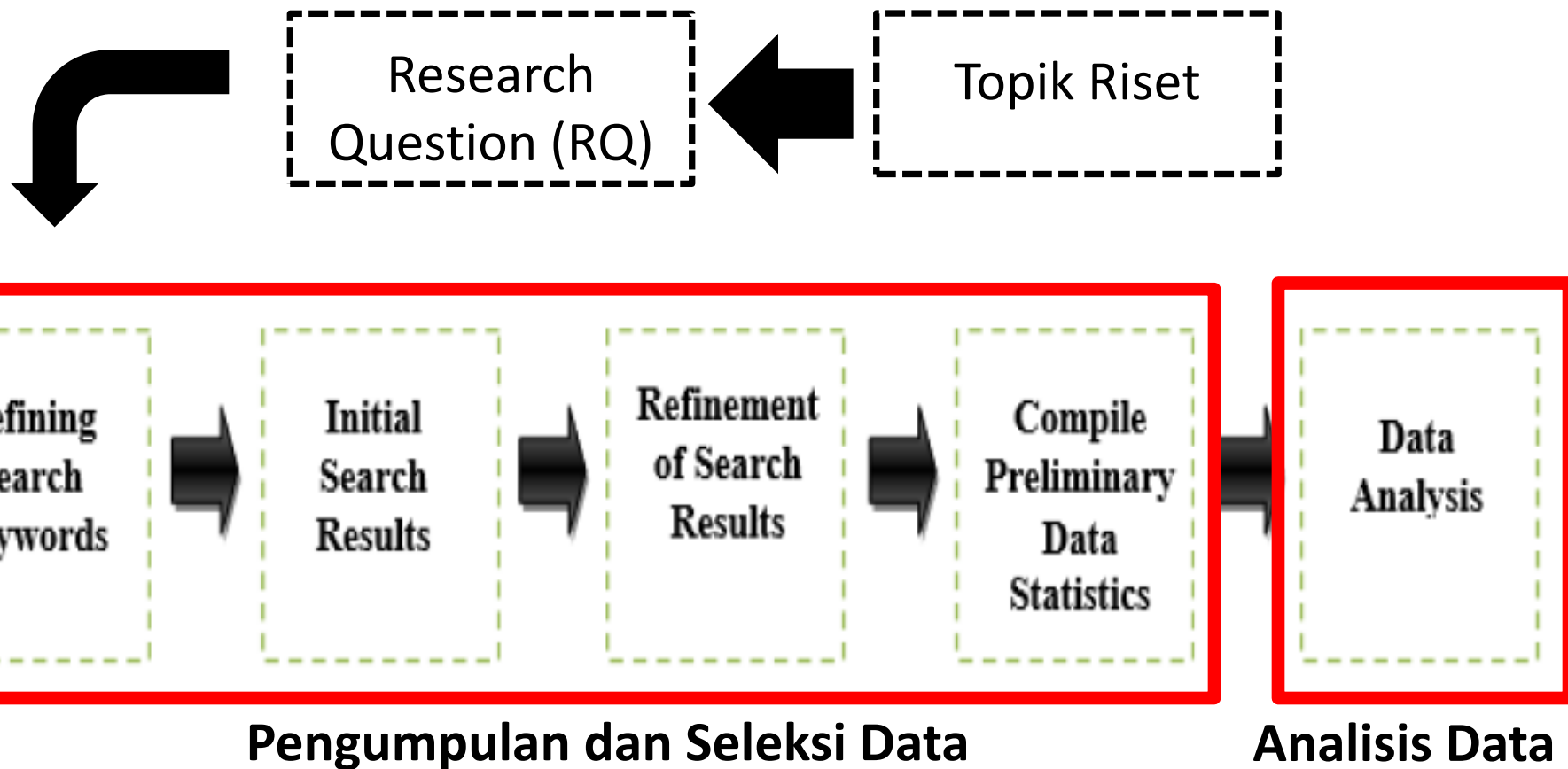
Software Analisis Bibliometrik...



Scopus, Oktober 2022

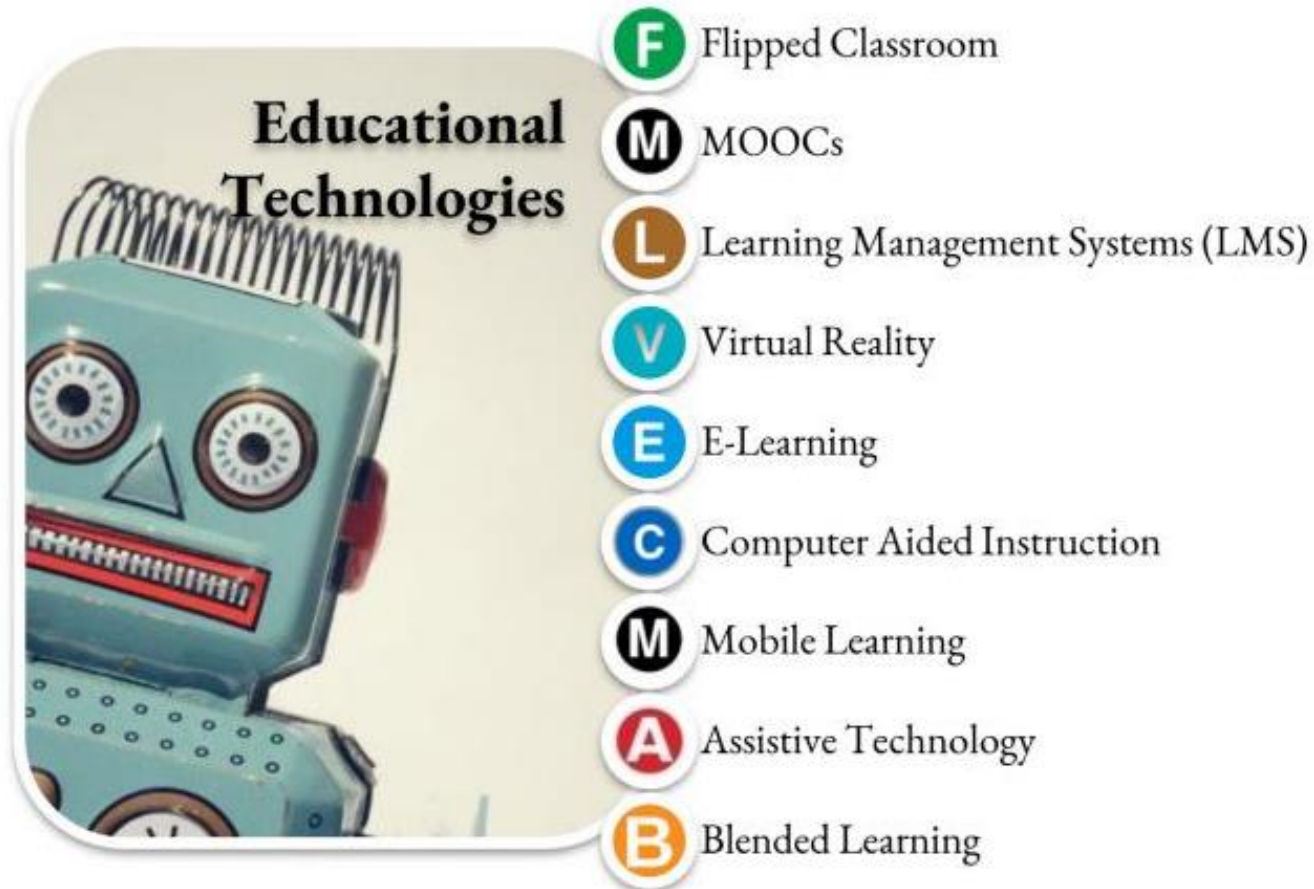
Sumber: Hasil Olah Mandiri

Metodologi Bibliometrik



Memilih Topik Riset

- Pertama, anda perlu menentukan topik riset di area atau bidang yang digeluti
- Pastikan bahwa topik riset anda dapat ditemukan dalam ranah akademik



Memilih Topik Riset

- Pilih topik riset yang anda minati dan kuasai
- Memilih topik yang benar akan membantu anda mengidentifikasi Keyword

No.	Recommended topics for beginners	Topic to be explored later*
1.	Flipped classroom	Flipped classroom implementation in secondary school
2.	MOOCs	MOOCs in Asia
3.	E-commerce	E-commerce adoption 100 most cited research on e-commerce
4.	Ethical leadership	Ethical leadership in the government sector
5.	Halal	Halal awareness
6.	Islamic banking	Islamic banking in non-Islamic countries
7.	Blockchain	Blockchain and its integration in the financial sector
8.	Women entrepreneur	Women entrepreneurs in developing countries
9.	IT governance	IT governance effectiveness

Note: *recommend for the advanced and experienced researcher

Common Research Question (RQ)

No.	RQ	Description	Analysis/Strategy to Answer
1	What is the current state of publication...	This question deals with the current form or the basic information of the dataset, such as the document type, source type, subject area and language.	1. Document type 2. Source type 3. Subject area 4. Language 5. Total number of contributors, i.e., total number of authors, institutions, countries or source titles that contribute to the publication.
2	What is the current publication trend....	Present the number of publications by year, either using a table or chart. Information to be presented include the publication count, total citations, h-index, g-index and m-index.	1. Number of publications by year 2. Annual growth rate 3. Evolution of publications, i.e., based on the history, phases or development of the literature
3	What are the most productive contributors....	The publication's contributors include the authors, institutions, countries and source titles. Productive contributors can be measured by the number or quantity (or productivity) of publications produced to date.	1. Most productive authors 2. Most productive institutions 3. Most productive countries 4. Most productive source titles (or journals) 5. Bradford's law

Common Research Question (RQ)

No.	RQ	Description	Analysis/Strategy to Answer
4	What are the most influential contributors....	Influential contributors can be measured by the number of citations they received, total h-index, g-index or m-index.	1. Most influential authors 2. Author's production over time 3. Most influential institutions 4. Most influential countries 5. Most influential source titles (or journals)
5	What are the authorship patterns of the publication....	This analysis focus on the authorship patterns as well as the performance of publication based on the analysis related to the authorship.	1. Total number of contributing authors per documents 2. Productivity patterns of authors and research contributions 3. Lotka's law
6	What is the current state of collaboration....	This question is also related to the authorship of the publication but looks further on the collaboration of authors. This question is also related to the social structure of the publication. Based on the author's affiliation, collaboration among the institutions and countries also can be generated.	1. Single authored vs multi-authored documents 2. Documents per author 3. Co-authors per document 4. Collaboration by authors 5. Collaboration by institutions 6. Collaboration by countries 7. Collaboration index
7	Which are the most influential articles (or documents)....	This analysis will measure the documents based on the number of citations they have received so far.	1. Highly cited documents

Common Research Question (RQ)

8	What is the intellectual structure of current research...	This question is associated with the citations analysis in which you need to show how the publications related to specific research domains influence the scientific community.	1. Citations metrics include the information about the citations per paper, citations per author, total h-index, g-index, m-index 2. Most local cited documents 3. Most global cited documents 4. Most local cited references 5. References spectroscopy 6. Bibliographical coupling 7. Co-citation analysis 8. Historiography
9	Which themes are the most popular among scholars....	The theme analysis (also called clustering analysis) is the analysis based on the keywords, title or abstract of the publication. This analysis also can present the overall thematic structure of the literature.	1. Co-occurrence networks 2. Thematic map 3. Most frequent keywords 4. Word cloud analysis 5. Tree map
10	How the theme of the publication has evolved....	To answer this question, you have to present the keywords or words or themes that have been evolved over time. The output from this analysis also you can predict the future research direction of the field.	1. Thematic evolution 2. Trend topic 3. Word dynamic

Research Question (RQ)

Author	Research Questions/Objectives
Baker et al. (2020)	1. What is the current publication trend in board diversity? 2. Which are the most influential articles on board diversity? 3. Which themes involving board diversity are the most popular among scholars? 4. Who are the most influential authors on board diversity? 5. What is the current state of collaboration involving board diversity? 6. What is the intellectual structure of current research on board diversity? 7. What kinds of issues hamper research on board diversity? 8. What areas involving board diversity need an additional study?
Udomsap and Hallinger (2020)	1. What is the volume, growth trajectory, and geographic distribution of scholarship on sustainable construction (SCON)? 2. Which scholars have emerged as thought leaders in the SCON literature? 3. What is the intellectual structure of the SCON knowledge base? 4. What topics in SCON research have received the greatest attention in the literature?
Cash- Gibson et al. (2018)	1. To analyse the volume of global scientific production on health inequalities for over a half of a century (1966–2015), 2. To analyse the distribution of this scientific production by country income groups and world regions, 3. To analyse the international collaborations (e.g., co-authorship relations) within this production, and 4. To establish whether inequalities do exist within global health inequalities research.

Search Strategy (Keyword)

No.	Topic	Keywords
1.	Flipped classroom	“flipped classroom” OR “flipped learning”
2.	MOOCs	“massive open online course” OR MOOC
3.	E-commerce	“e-commerce” OR “electronic commerce” OR “ecommerce”
4.	Ethical leadership	“ethical leadership” OR “ethical manager*”
5.	Halal	halal
6.	Islamic banking	“Islamic banking” OR “Islamic finance”
7.	Blockchain	Blockchain OR “block chain”
8.	Women entrepreneur	“wom?n* entrepreneur*” OR “female* entrepreneur*” OR busineswom?n OR “business wom?n”
9.	IT governance	“IT Governance” OR “Information Technology Governance” OR “I&T Governance” OR “Information and Technology Governance” OR “ICT Governance” OR “Information and Communication Technology Governance” OR “IS Governance” OR “Information System Governance”

Search Strategy (Keyword)

Topik: Green Procurement in Higher Education

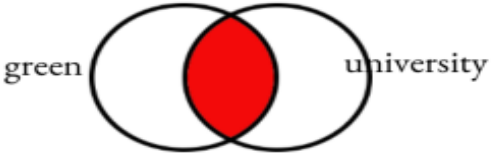
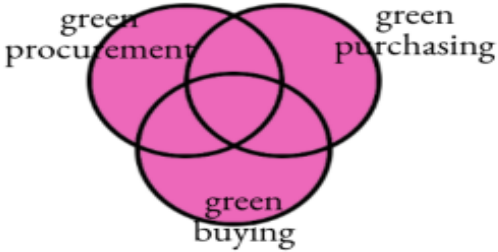
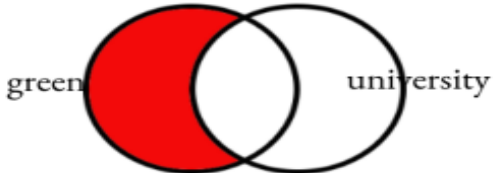
Word	Synonyms
Green	sustainable, environmental, eco-friendly
Procurement	purchasing, buying, acquisition
Green Procurement	green preferable purchasing, green friendly purchasing, green responsible purchasing, sustainable (or sustainability) preferable purchasing, sustainable friendly purchasing, sustainable responsible purchasing, environmentally preferable purchasing, environmentally friendly purchasing, environmentally responsible purchasing, eco-friendly preferable purchasing, eco-friendly purchasing, eco-friendly responsible purchasing
Higher Education	university, graduate school, higher learning, college, polytechnic, tertiary school, higher institution, HEI

Mendefinisikan Kata Kunci ..

Pertimbangkan	Contoh
Sinonim	curriculum=curricula=syllabus
Akronim	ADHD= Attention Deficit Hyperactivity Disorder
Variasi ejaan (<i>spelling</i>)	organization, organisation;
Plural (jamak)	syllabi, syllabus, syllabuses
Scientific & common names	<i>phascolarctos cinereus</i> , koala
Istilah khas di suatu negara	dissertation (US); thesis (UK)

Sumber: Faizuddin Harliansyah (2021)

Boolean Operator

Operator	Description
AND  A Venn diagram with two overlapping circles. The left circle is labeled 'green' and the right circle is labeled 'university'. The intersection of the two circles is shaded red.	All search terms must occur to be retrieved. Search query: green AND university This search will retrieve documents that contain both green and university.
OR  A Venn diagram with three overlapping circles. The top-left circle is labeled 'green procurement', the top-right circle is labeled 'green purchasing', and the bottom circle is labeled 'green buying'. All three circles are shaded pink.	Any one of the search terms must occur to be retrieved. Use when searching variants and synonyms. Search query: green procurement OR green purchasing OR green buying This search will retrieve documents that contain at least one of the terms.
AND NOT  A Venn diagram with two overlapping circles. The left circle is labeled 'green' and the right circle is labeled 'university'. The portion of the 'green' circle that does not overlap with the 'university' circle is shaded red.	Excludes records that contain a given search term. Search query: green AND NOT university This search will retrieve documents with green, excluding any which also contain university

Operator lainnya

- **Truncation** merupakan menggunakan * pada kata kunci, contoh diabe* akan ditemukan: diabetes, diabetic, diabetics, diabetIMSS, diabetica
- **Wildcard** yaitu jenis truncation tetapi berada di tengah kata menggunakan operator? Contoh: Wom?n = woman dan women
- **Exact search (phrase search)** digunakan untuk mencari informasi yang mengandung kata kunci berupa frase dengan menggunakan operator “....” Contoh: “augmented reality”

Boolean Operator

Kata Kunci:

“green procurement” OR “green purchas*” OR “green buying”
OR “green acquisition” OR “sustainab* procurement” OR
“sustainab* purchas*” OR “sustainab* buying” OR “sustainab* acquisition”
OR “eco-friendly procurement” OR “eco-friendly buying” OR “
eco-friendly acquisition” OR “environment* procurement” OR
“environment* purchas*” OR “environment* buying”

AND

“higher education” OR university OR “graduate school” OR “higher learning”
OR college OR “polytechnic” OR “tertiary school” OR “higher institution” OR
HEI

Mengembangkan formula penelusuran

curriculum OR curriculums OR curricula OR syl

AND

education OR pedagogy

AND

multicultural OR multiculturalism



Sumber: Faizuddin Harliansyah (2021)

Contoh Artikel

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Library Philosophy and Practice (e-journal)

Libraries at University of Nebraska-Lincoln

6-11-2021

A Bibliometric Analysis of E-Government Research

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Research Question (RQ)

- RQ1 : How is the trend of e-government research based on the number of publication per year?
- RQ2 : What journals that have most papers published in area of e-government research?
- RQ3 : Who are the most contributing authors in publication of e-government research?
- RQ4 : What are the subject areas or disciplines that contribute to e-government research?
- RQ5 : What are main research topics and in e-government field?
- RQ6 : What are potential topics for future study in area of e-government research?

Research Question (RQ)

RQ7 : Which are the countries of author that contribute the most to the publication in e-government research and their collaboration?

RQ8 : Which articles have the most influence based on citation measures in e-government literatures?

1. Defining Search Keyword (Kata Kunci)

2. Initial Result

3.1. Defining the search keywords

This research was performed on June 21, 2020, using keywords in the form of search strings relevant to e-Government where keywords are searched based on the title, keywords, and abstract of the article as follows:

TITLE-ABS-KEY ("e-government") OR TITLE-ABS-KEY ("e-gov") OR TITLE-ABS-KEY ("electronic government") OR TITLE-ABS-KEY ("digital government") OR TITLE-ABS-KEY (egovernment)

Based on the defined keywords, the process of searching for articles in an electronic database is utilized as a source of information. The electronic database used in this research is Scopus, considering that Scopus is the largest reputable scientific

database currently available and provides various peer-reviewed journal articles; thus, the quality of the articles obtained can be guaranteed.

3.2 Initial search result

The initial search results with keywords yielded 14,892 Scopus documents. In finding articles, the period is unlimited since this research aspires to map the research development (state of the art) of the e-government theme as a whole. According to our results, the article related to e-government was first found in early 1980, as shown in Table 1. Unfortunately, the research in 1979 is not relevant to our research interest.

3. Refinement of Search Result

3.3. Refinement of Search Result

After obtaining the initial results, then we conducted a screening of all articles based on the inclusion criteria determined in this research. There are two (2) inclusion criteria used to screen the search results: (i) IC1: Original research written in English; (ii) IC2: Articles published only in peer-reviewed journals as the source type. Thus, proceedings (conference papers), book

chapters, books, newspapers, letters, editorials are not included in the dataset; this is achieved to obtain an excellent scientific contribution solely sourced from peer-reviewed journals. The elimination of the article is also performed if duplicate articles are found. Then after refinement, the results were saved in the form for the RIS extension file. The resulting RIS file was used for further data analysis. Table 2 summarize the amount of all articles obtained after refinement process.

Table 2. Refinement of Search Result

Search Keyword	Number of Scopus documents
(TITLE-ABS-KEY ("e-government") OR TITLE-ABS-KEY ("e-gov") OR TITLE-ABS-KEY ("electronic government") OR TITLE-ABS-KEY ("digital government") OR TITLE-ABS-KEY (egovernment)) AND (LIMIT-TO (DOCTYPE, "ar")) AND (LIMIT-TO (LANGUAGE, "English")) AND (LIMIT-TO (SRCTYPE, "j"))	4322

Bibliometric analysis of the term 'green manufacturing'

Ira Setyaningsih* and Nurul Indarti

Faculty of Economics and Business,
Universitas Gadjah Mada,

3.3 Refinement of the search results

We excluded articles that were inappropriate for the screening criteria, Table 4 shows the results from this screen. References from the articles that appear noteworthy met the requirements over a duration of 19 years.

Table 4 Detailed search screening criteria (see online version for colours)

<i>Search screening</i>	<i>Number of articles</i>
Not relevant (green tea, green gold)	18
Not in English (Indonesia, Malaysia)	2
Unidentified/citation link only/rejected website	9
Double	5
Less than four pages	3
Editorial/book review	2
Q3/Q4/none from Scimagojr list	244
Non-business topics	15
Q1/Q2	76
Total	374

4.Compile Preliminary Data Statistic

3.4. Compile Preliminary Data Statistics

As mentioned earlier, the data collected following the refinement search results are stored in the form of RIS files. Then the file is processed with the help of reference manager software (RMS) Mendeley to complete the metadata of the articles obtained such as the author's name, title, keywords, abstract and journal description

(journal name, year of publication, volume, issue, pages). The dataset was verified, and the required information was added when there was incomplete data. Then the search result data was analyzed and classified based on the yearly number of publications, publication outlets (journals), contributing authors, and subject area.

4.Compile Preliminary Data ...

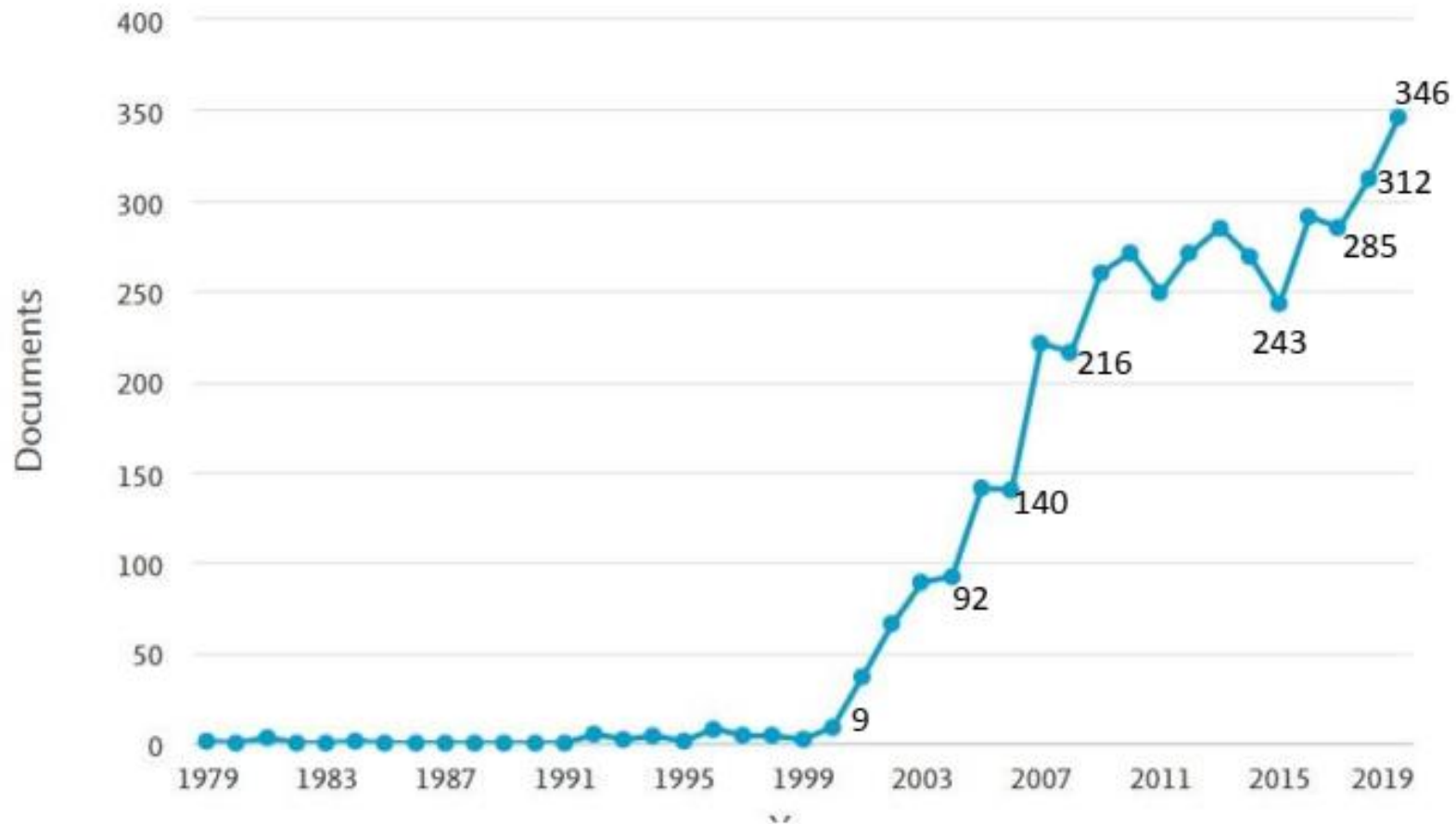


Figure 2. Trend research of e-Government in the worldwide

4.Compile Preliminary Data ...

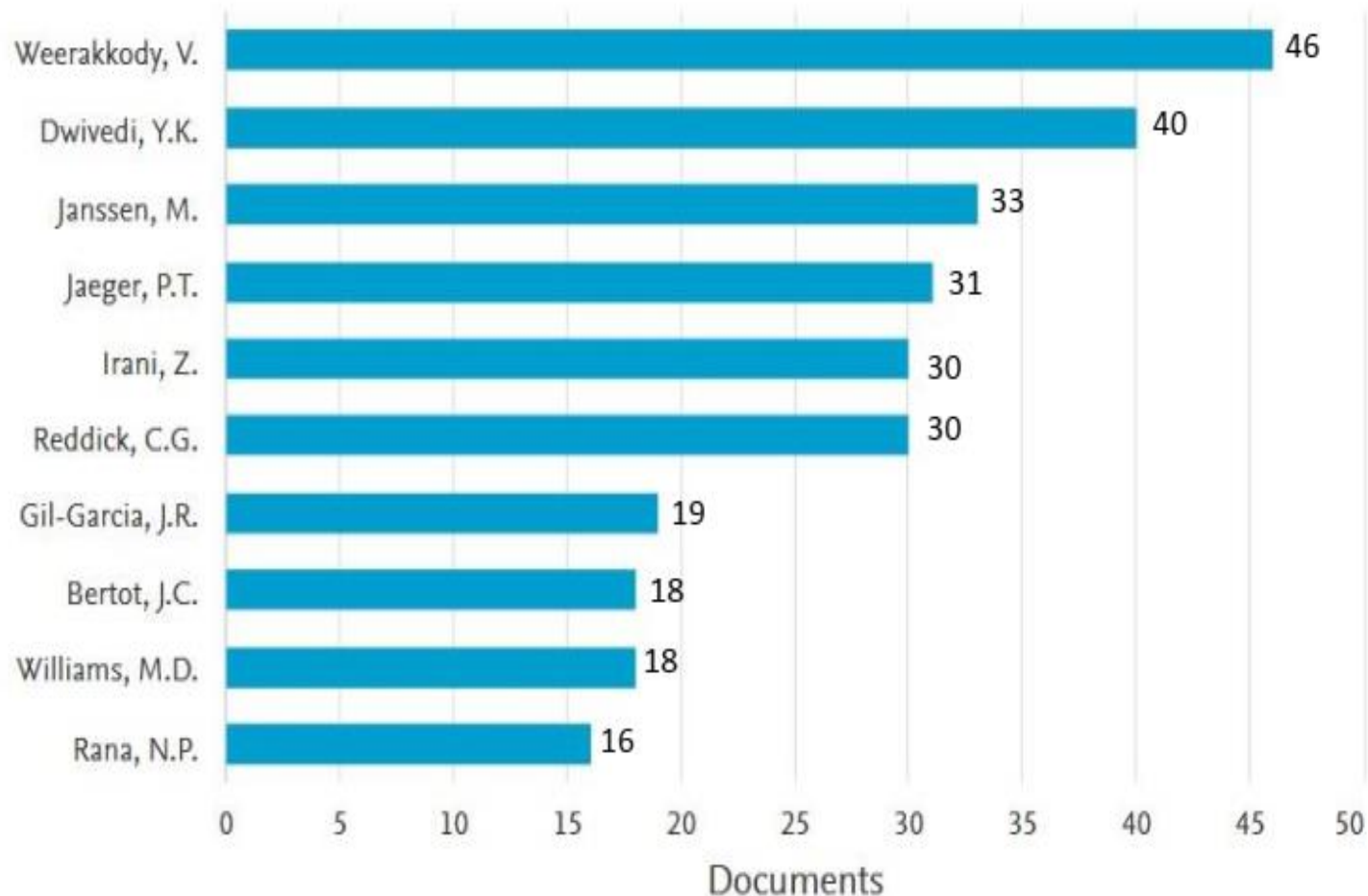


Figure 4. Top Ten Contributing Authors in area of e-government research in the worldwide

4.Compile Preliminary Data ...

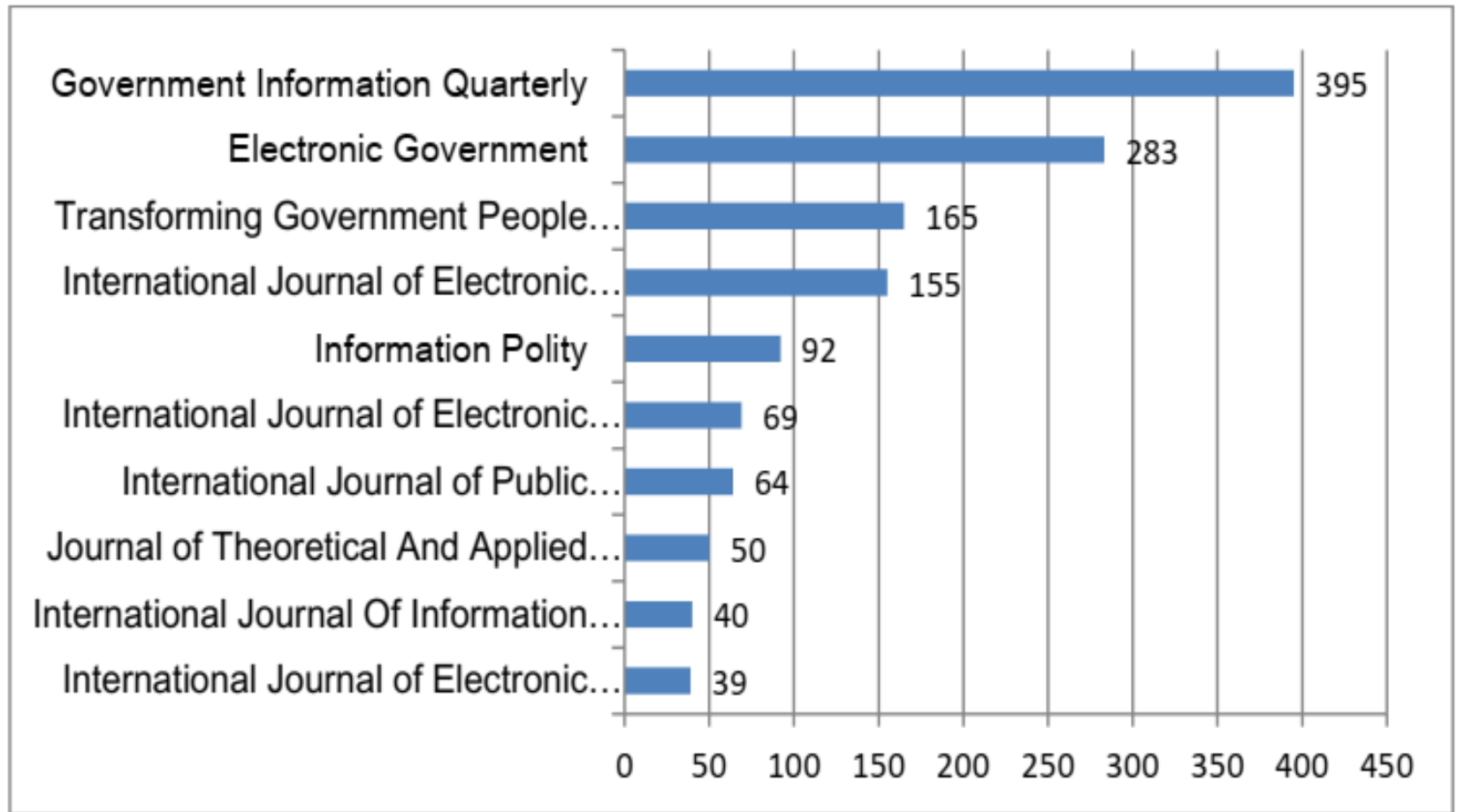


Figure 3. Top Ten Journals have most papers published in area of e-Government research

4.Compile Preliminary Data ...

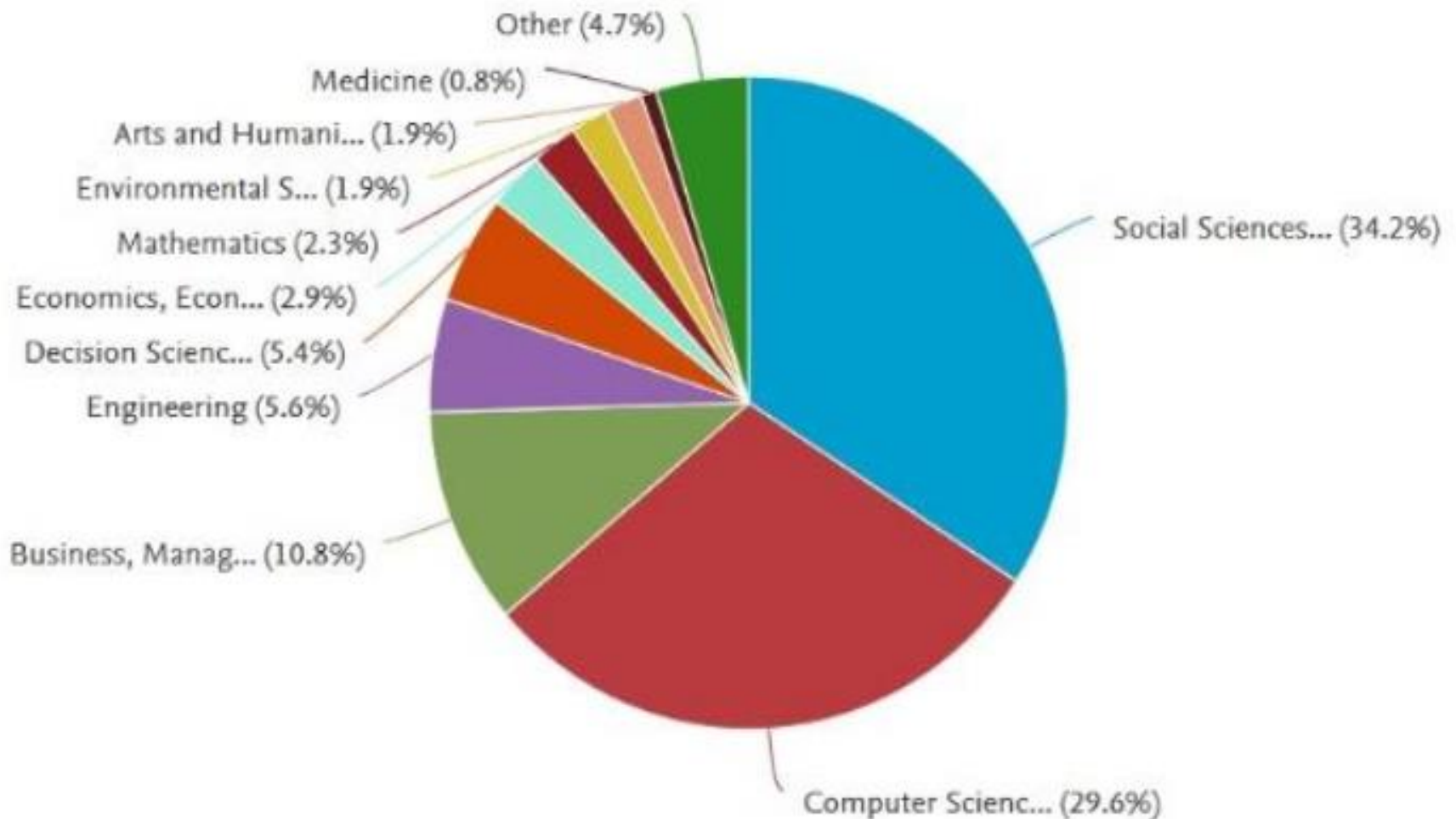


Figure 5. Several subject area of e-government research based on publications

4. Compile Preliminary Data Statistic

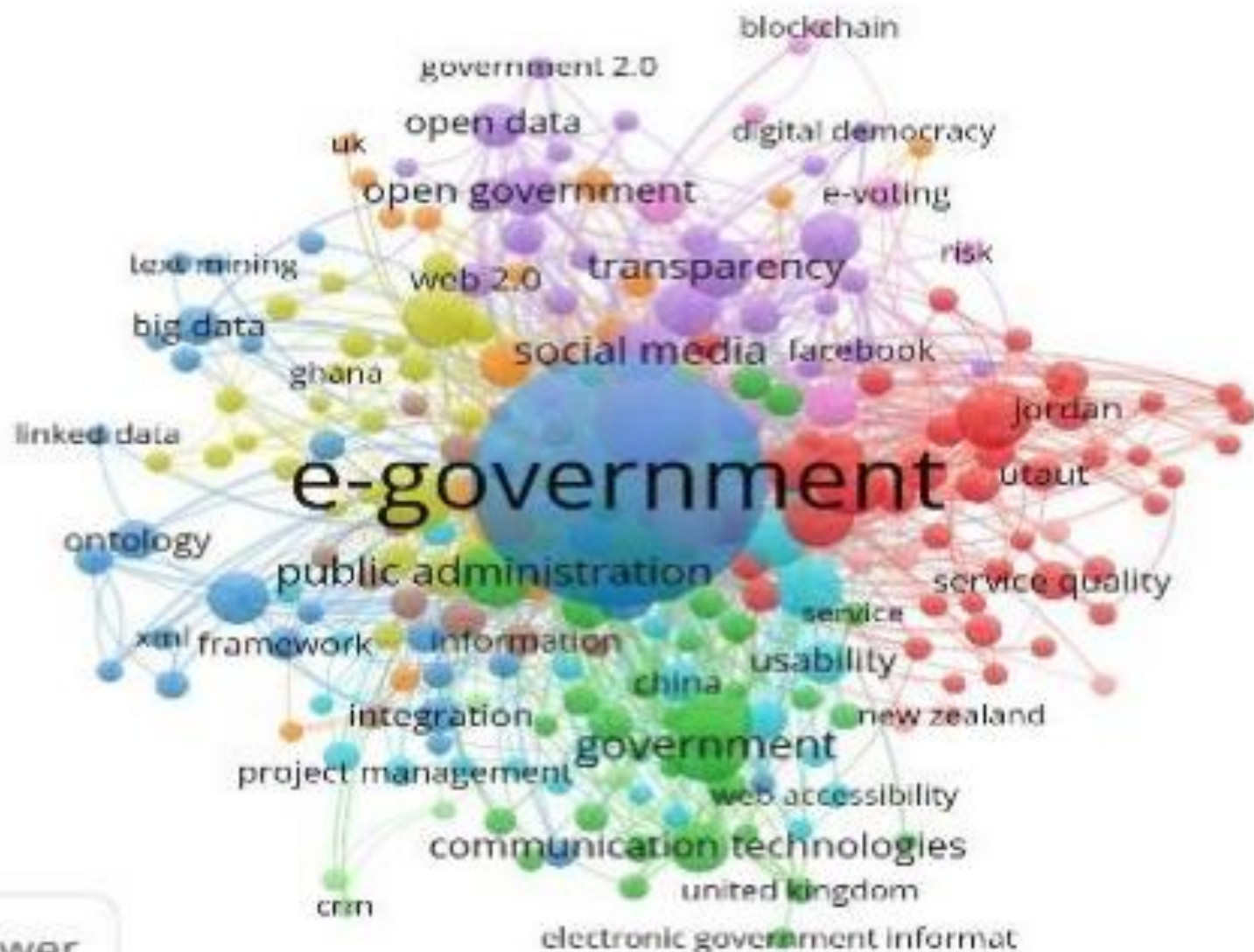
3.5. Data Analysis

The bibliometric data which has been saved in RIS format will be visualized using Vosviewer software. According to (Hudha et al., 2020), Vosviewer can be applied to analyze and make graphical representations in the form of bibliometric maps. Vosviewer is widely used due to its capability to work with large datasets, display the sizeable bibliometric map with easy understanding and interpreting way. Based on Van Eck & Waltman (2010) study, Vosviewer could handle large maps and display a co-citation map of huge major scientific journals. Vosviewer can also make publication maps, country maps, author maps, or journal maps based on networks of co-citation or building keyword maps as topics modeling. Furthermore, as a free tool, Vosviewer nowadays has been utilized to accomplish research related to data mining, articles grouping and articles mapping from database sources (Xie, Chen, Wang, Zheng, & Jiang, 2020).

4. RESULT & DISCUSSION

4.1. Topic Area Visualization Using Vosviewer

In this section, the bibliometric analysis was conducted to visualize the result based on keywords that occurred frequently. This is very useful because it could show us the topic that had been researched for a period of 40 years (1979-2020). Vosviewer also provide cluster analysis that indicate the relationship between one topic and another (Hamidah, Sriyono, & Hudha, 2020; Hudha et al., 2020) especially in area of e-government research. Thus, this research has mapped bibliometric analysis in three different visualizations, they are (1) data network visualization as seen in Figure 6; (2) overlay visualization in Figure 7; and (3) density visualization in Figure 8.



 VOSviewer

Figure 6. Network Visualizations of Scopus Database using Vosviewer

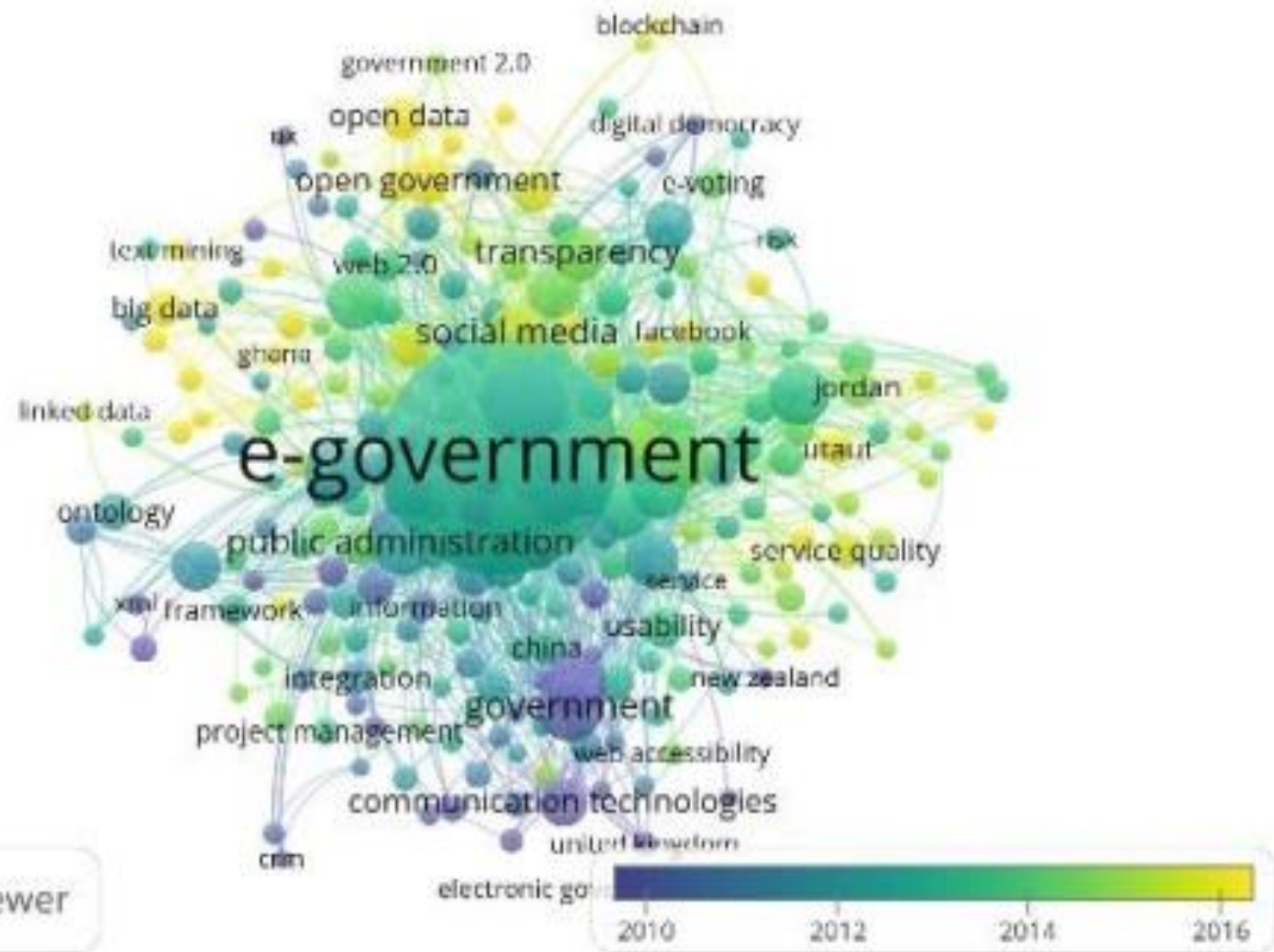


Figure 7. overlay Visualizations of Scopus Database using Vosviewer

Contoh Analisis Bibliometrik

Define Keywords:

(e-government OR “electronic government”)

AND

(adoption OR use OR usage OR acceptance)

Database: Scopus

Initial Result: 2872 documents

Search Time: 12/03/2022

Contoh Analisis Bibliometrik



Scopus

[Search](#) [Sources](#) [Lists](#) [SciVal](#) ↗



2,872 document results

(TITLE-ABS-KEY (e-government OR "electronic government") AND TITLE-ABS-KEY (adoption OR use OR usage OR acceptance))



Edit



Save



Set alert

Refinement

Screening Criteria:

Year : 2018-2022

Doc. Type : Article

Source Type : Journal

Language : English

Final Result : 377 documents

Refinement ...

127.0.0.1:6220 x Scopus - Document search result x Scopus - Document search result +

scopus.com/results/results.uri?sort=plf-f&src=s&st1=e-government+OR+"electronic+government"&st2=adoption+OR+u... Update

Scopus Search Sources Lists SciVal ? DN

714 document results

(TITLE-ABS-KEY (e-government OR "electronic government") AND TITLE-ABS-KEY (adoption OR use OR usage OR acceptance)) AND (LIMIT-TO (PUBYEAR, 2022) OR LIMIT-TO (PUBYEAR, 2021) OR LIMIT-TO (PUBYEAR, 2020) OR LIMIT-TO (PUBYEAR, 2019) OR LIMIT-TO (PUBYEAR, 2018) OR LIMIT-TO (PUBYEAR, 2017) OR LIMIT-TO (PUBYEAR, 2016) OR LIMIT-TO (PUBYEAR, 2015) OR LIMIT-TO (PUBYEAR, 2014) OR LIMIT-TO (PUBYEAR, 2013)) AND (LIMIT-TO (DOCTYPE, "ar")) AND (LIMIT-TO (LANGUAGE, "English")) AND (LIMIT-TO (SRCTYPE, "j"))

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

Documents Secondary documents Patents View Mendeley Data (6380)

Analyze search results Show all abstracts Sort on: Date (newest)

☐ All CSV export Download View citation overview View cited by Save to list

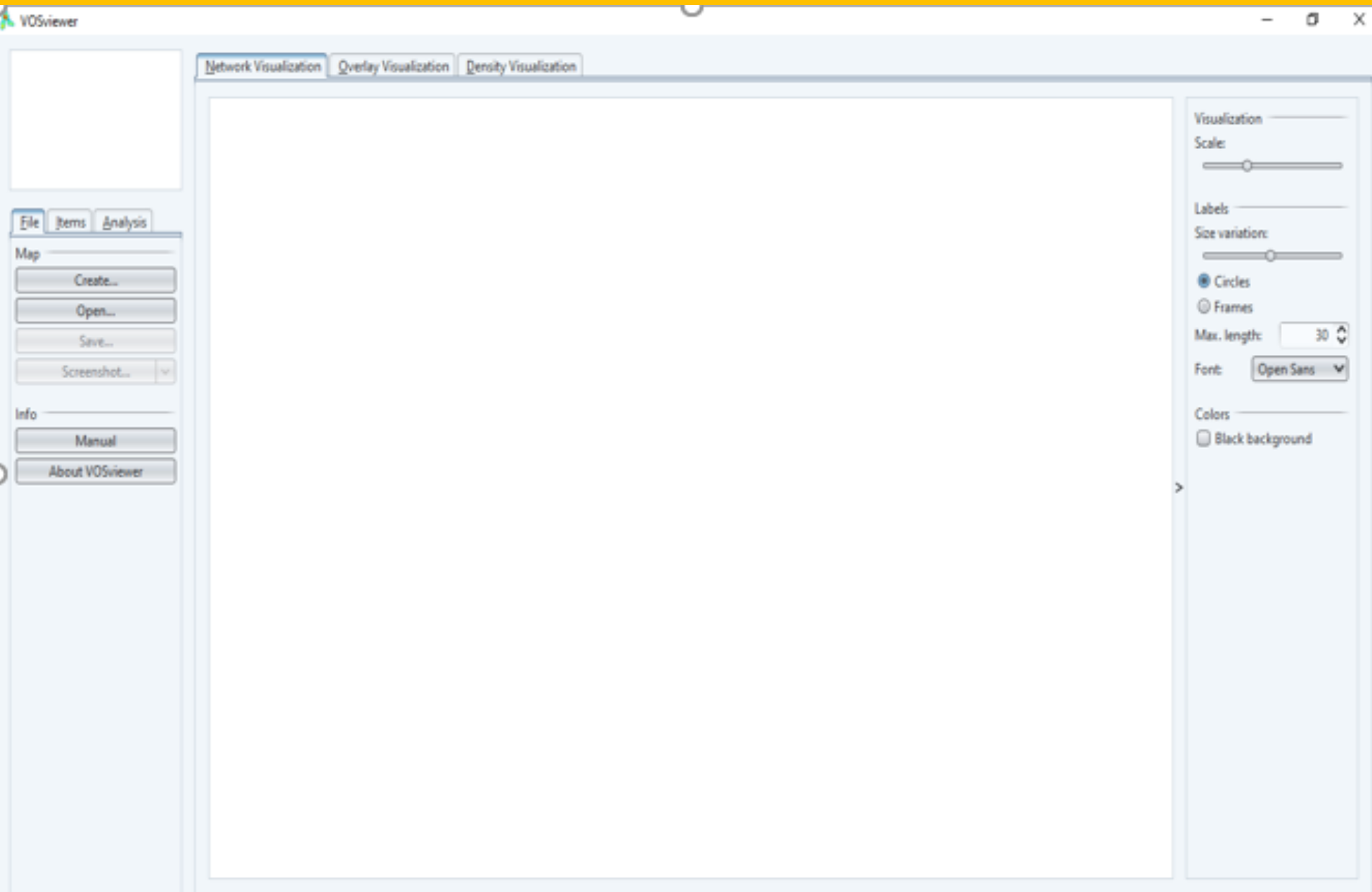
Activate Windows Go to Settings to activate Windows. [Show all](#)

scopus (5).csv

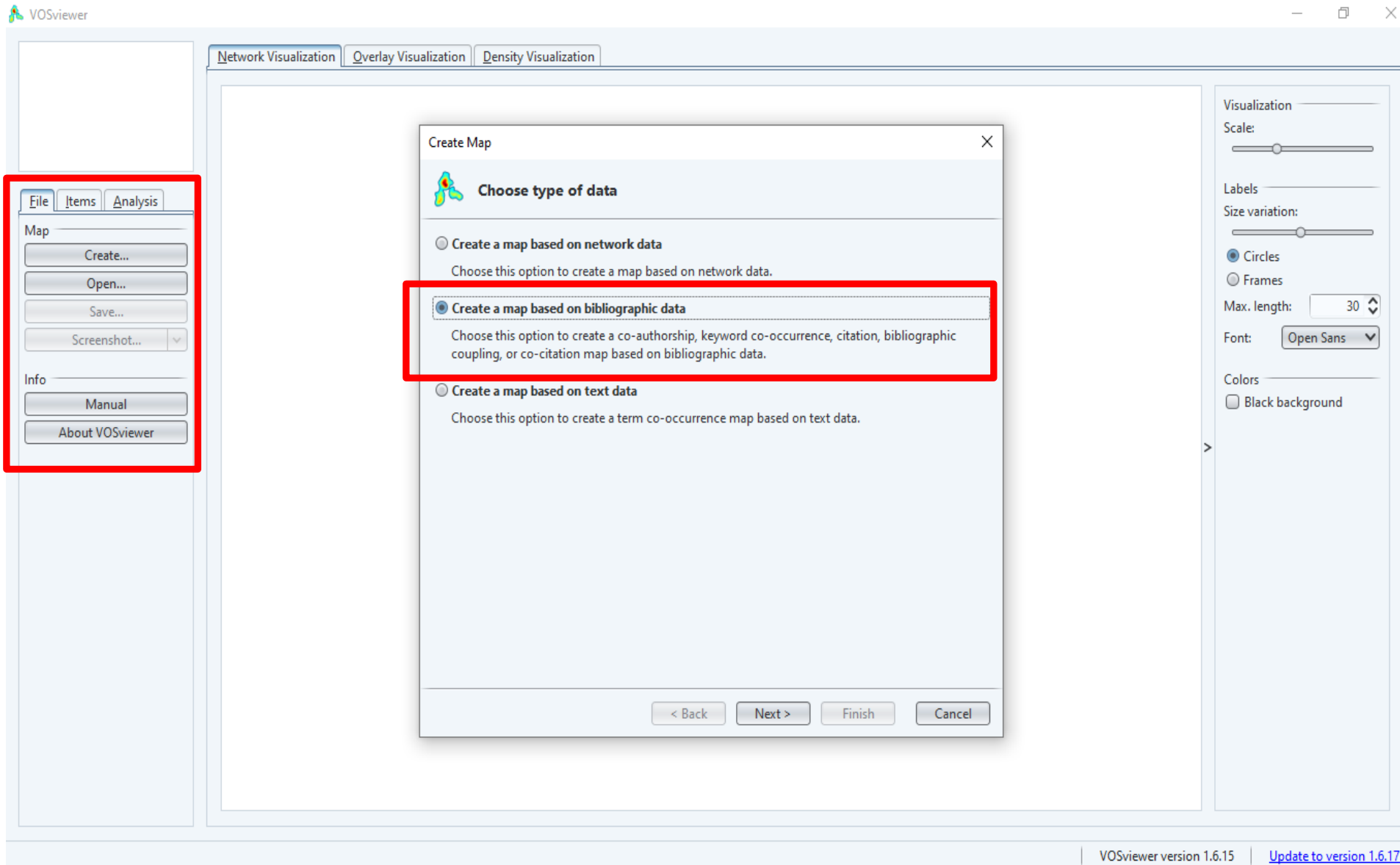
Type here to search

31°C 12:05 12/03/2022

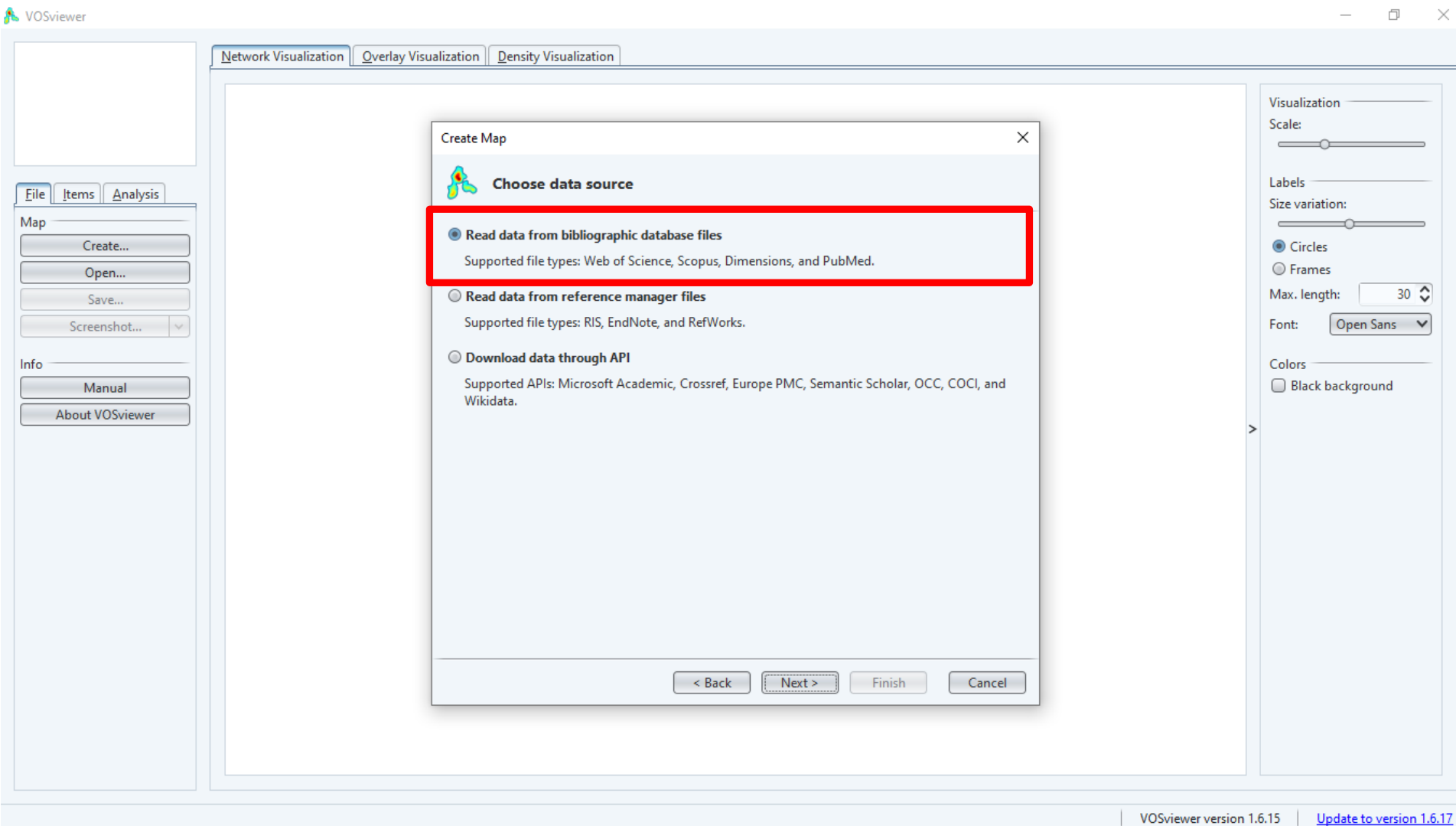
Step by Step: Vosviewer



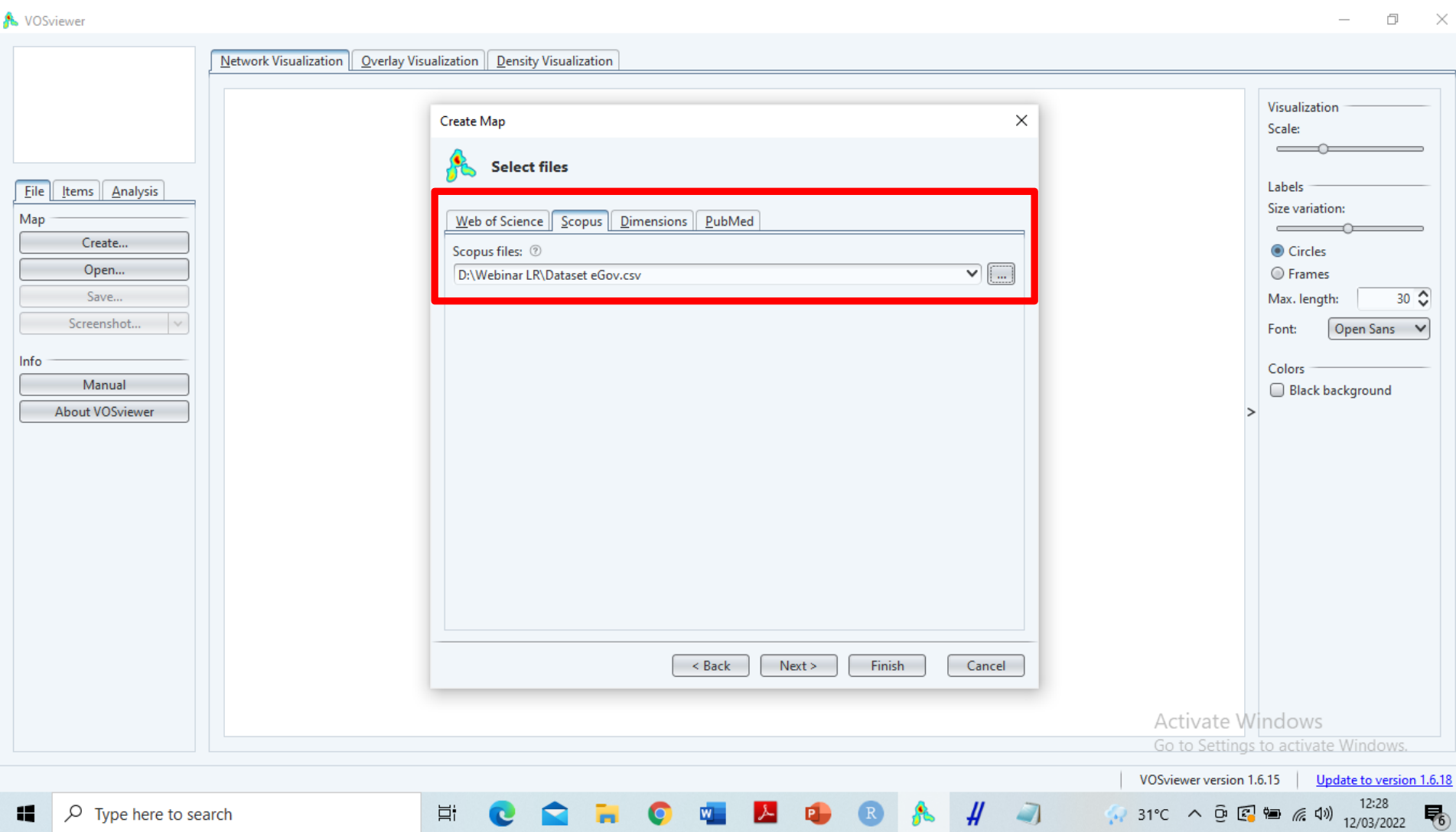
1. Klik Create lalu Pilih Bibliographic Data



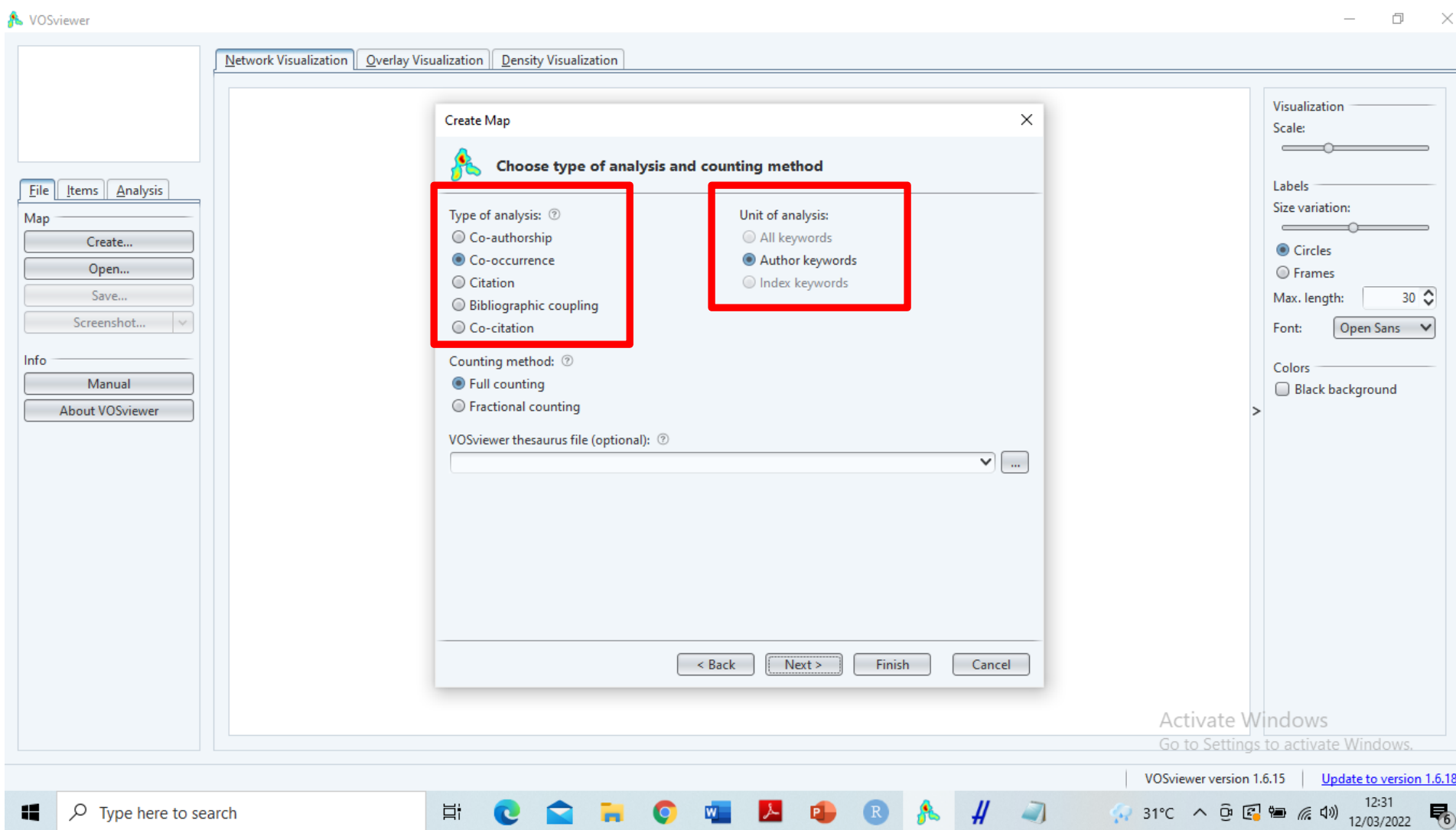
2. Pilih Read data from bibliographic databases



3. Masukkan file metadata (scopus)



4. Pilih Type Analisis Co-Occurrence dan Author Keywords



5. Pilih Minimum Number of Occurrence (misalnya 3)

The screenshot shows the VOSviewer software interface. A 'Create Map' dialog box is open, displaying the 'Choose threshold' step. The dialog box contains a text input field for the 'Minimum number of occurrences of a keyword' with the value '3' entered. Below the input field, it states 'Of the 1937 keywords, 409 meet the threshold.' The dialog box has navigation buttons at the bottom: '< Back', 'Next >', 'Finish', and 'Cancel'. The background shows the main VOSviewer window with tabs for 'Network Visualization', 'Overlay Visualization', and 'Density Visualization'. On the left, there are buttons for 'File', 'Items', and 'Analysis', and a 'Map' section with 'Create...', 'Open...', 'Save...', and 'Screenshot...' buttons. On the right, there are settings for 'Visualization' (Scale, Labels, Size variation, Max. length, Font, Colors) and a 'Black background' checkbox. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including temperature, time, and date.

VOSviewer

File Items Analysis

Map

Create... Open... Save... Screenshot...

Info

Manual About VOSviewer

Network Visualization Overlay Visualization Density Visualization

Create Map

Choose threshold

Minimum number of occurrences of a keyword: 3

Of the 1937 keywords, 409 meet the threshold.

< Back Next > Finish Cancel

Visualization

Scale:

Labels

Size variation:

☒ Circles ☐ Frames

Max. length: 30

Font: Open Sans

Colors

☐ Black background

Activate Windows

Go to Settings to activate Windows.

VOSviewer version 1.6.15 | [Update to version 1.6.18](#)

Type here to search

31°C 12:32 12/03/2022

6. Seleksi Keyword sesuai Tema Penelitian, Lalu Klik Finish

VOSviewer

Network Visualization | Overlay Visualization | Density Visualization

File | Items | Analysis

Map

Create...

Open...

Save...

Screenshot...

Info

Manual

About VOSviewer

Create Map

Verify selected keywords

Selected	Keyword	Occurrences	Total link strength
☒	e-government	422	1181
☒	adoption	73	263
☒	trust	42	184
☒	electronic government	44	162
☒	tam	26	133
☒	jordan	24	121
☒	social media	35	120
☒	e-government services	39	110
☒	utaut	33	107
☒	technology acceptance model	26	104
☒	ict	26	91
☒	india	19	83
☒	e-participation	20	74
☒	technology adoption	26	73
☒	perceived usefulness	12	71
☒	developing countries	21	70
☒	e-government adoption	29	70
☒	local government	20	65
☒	digital divide	25	63
☒	social influence	11	61

< Back | Next > | **Finish** | Cancel

Visualization

Scale:

Labels

Size variation:

☒ Circles

☐ Frames

Max. length: 30

Font: Open Sans

Colors

☐ Black background

Activate Windows
Go to Settings to activate Windows.

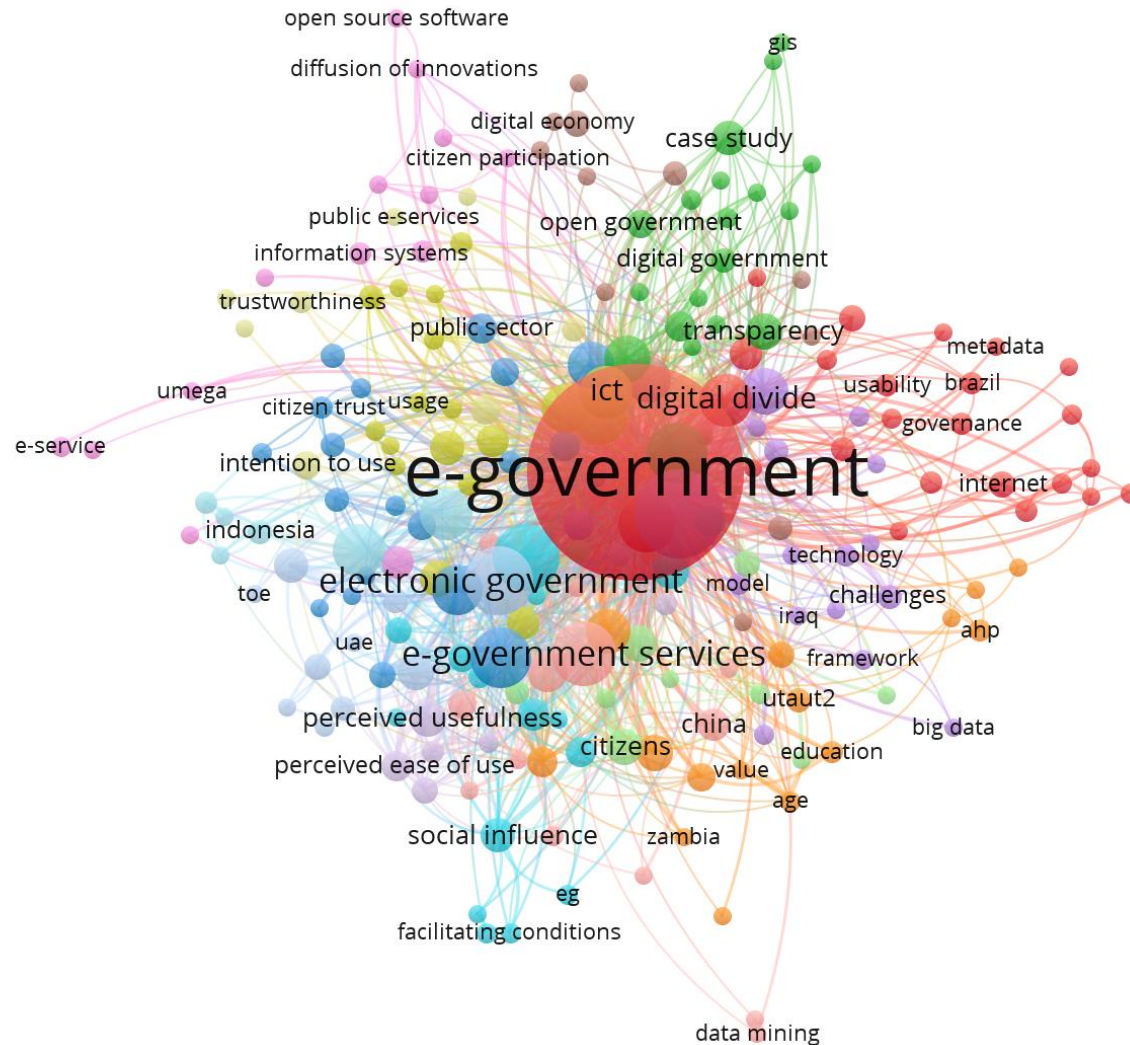
VOSviewer version 1.6.15 | [Update to version 1.6.18](#)

Type here to search

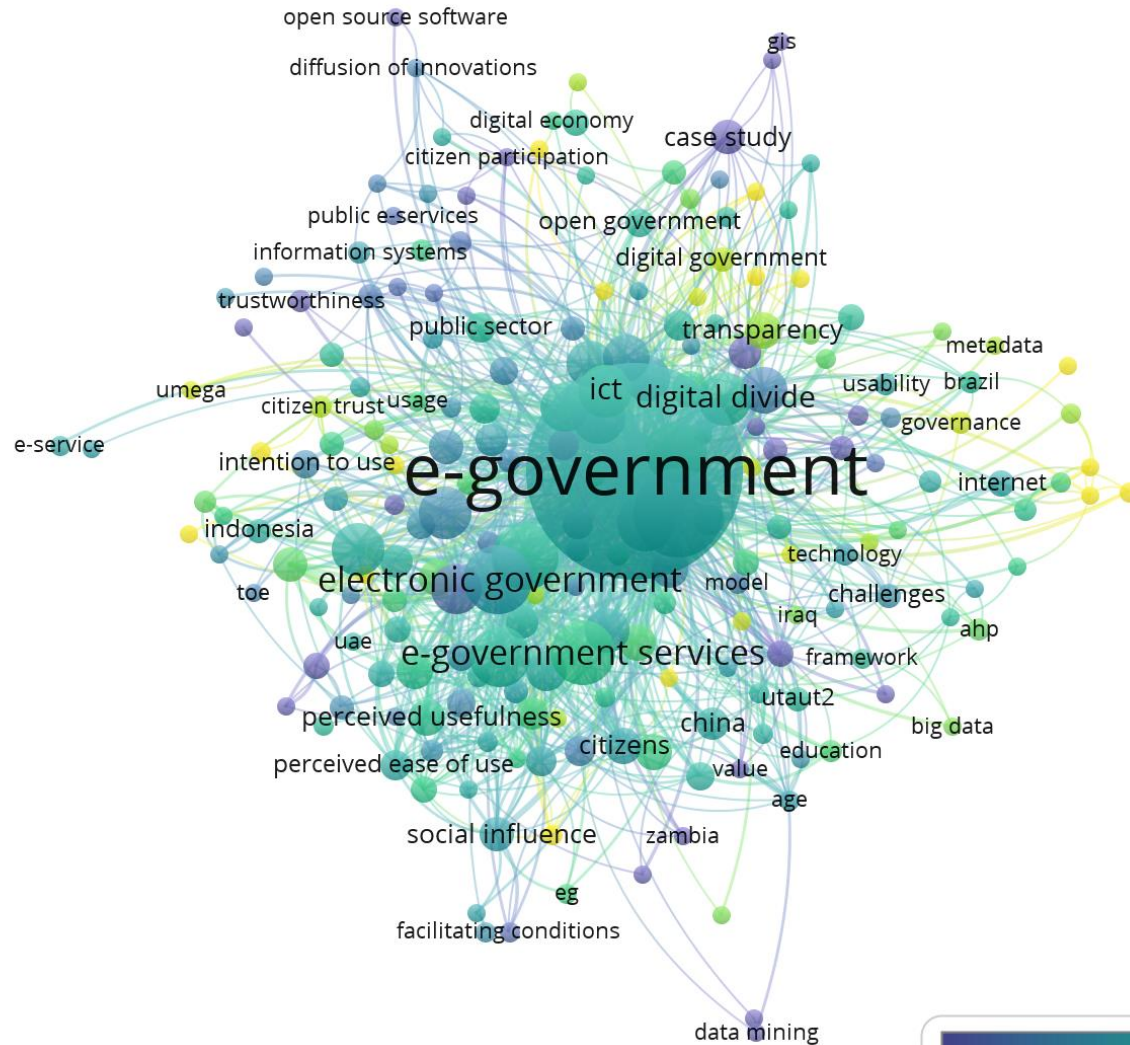
31°C

12:33
12/03/2022

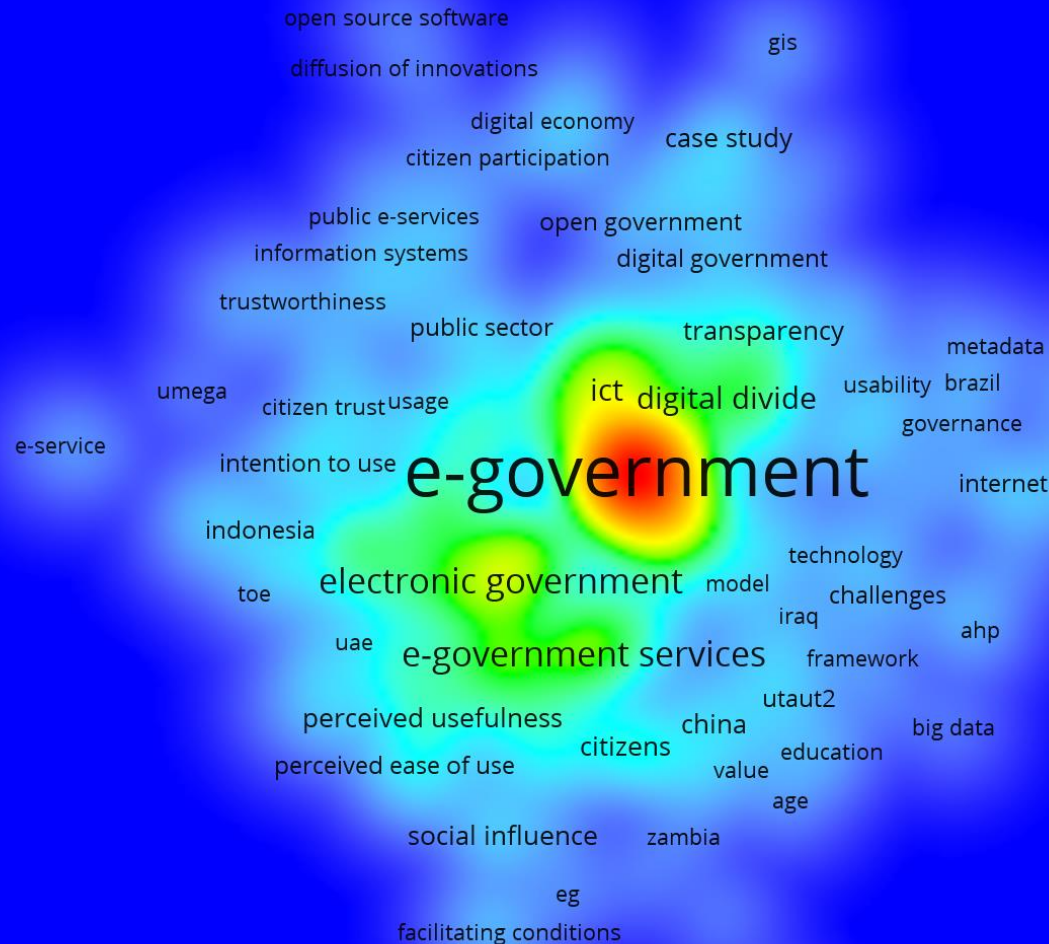
Co-Occurrence (Network Visualization)



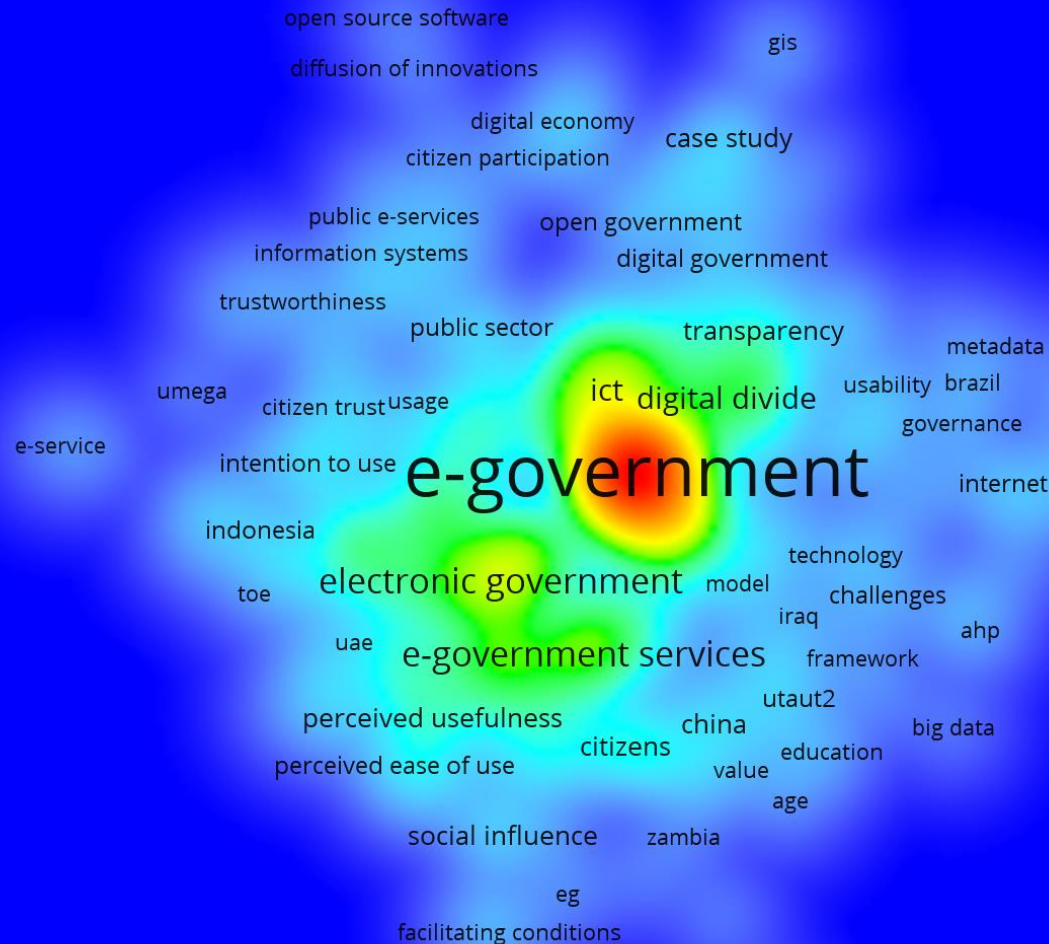
Co-Occurrence (Overlay Visualization)



Co-Occurrence (Density Visualization)



Co-Occurrence (Density Visualization)



Q & A

Terima kasih