

UNIVERSITAS AIRLANGGA  
Excellence with Morality

# Data management

Faizul Hasan



# Outline

- Data management
- PRISMA Flow chart
- Full-text download



# Data management

- Mengikuti Guideline (PRISMA Flow Chart).
- Memilih format yang sesuai dengan tipe review.
  - *Update 2020 dari PRISMA ada 4 tipe.*
- Dilakukan secara independen oleh minimal 2 orang.
- Menggunakan management software.



# Software

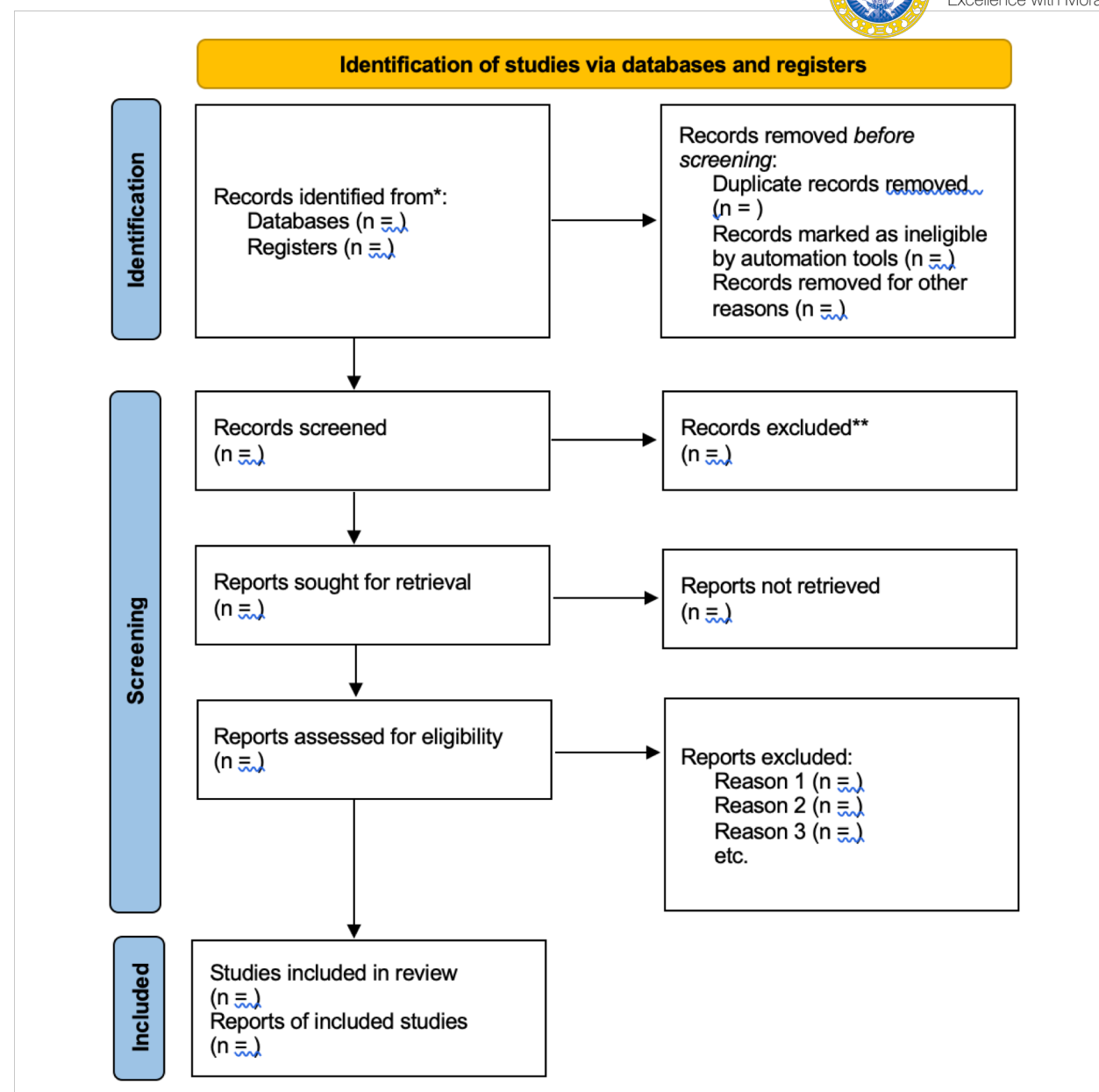
- EndNote
- Mendeley



# PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only

- New SR/ MA
- Include databases; PubMed, Embase, etc.
- Registers; clinicalTrial.gov, etc.

# PRISMA 2020 flow diagram for new systematic reviews which included searches of databases and registers only

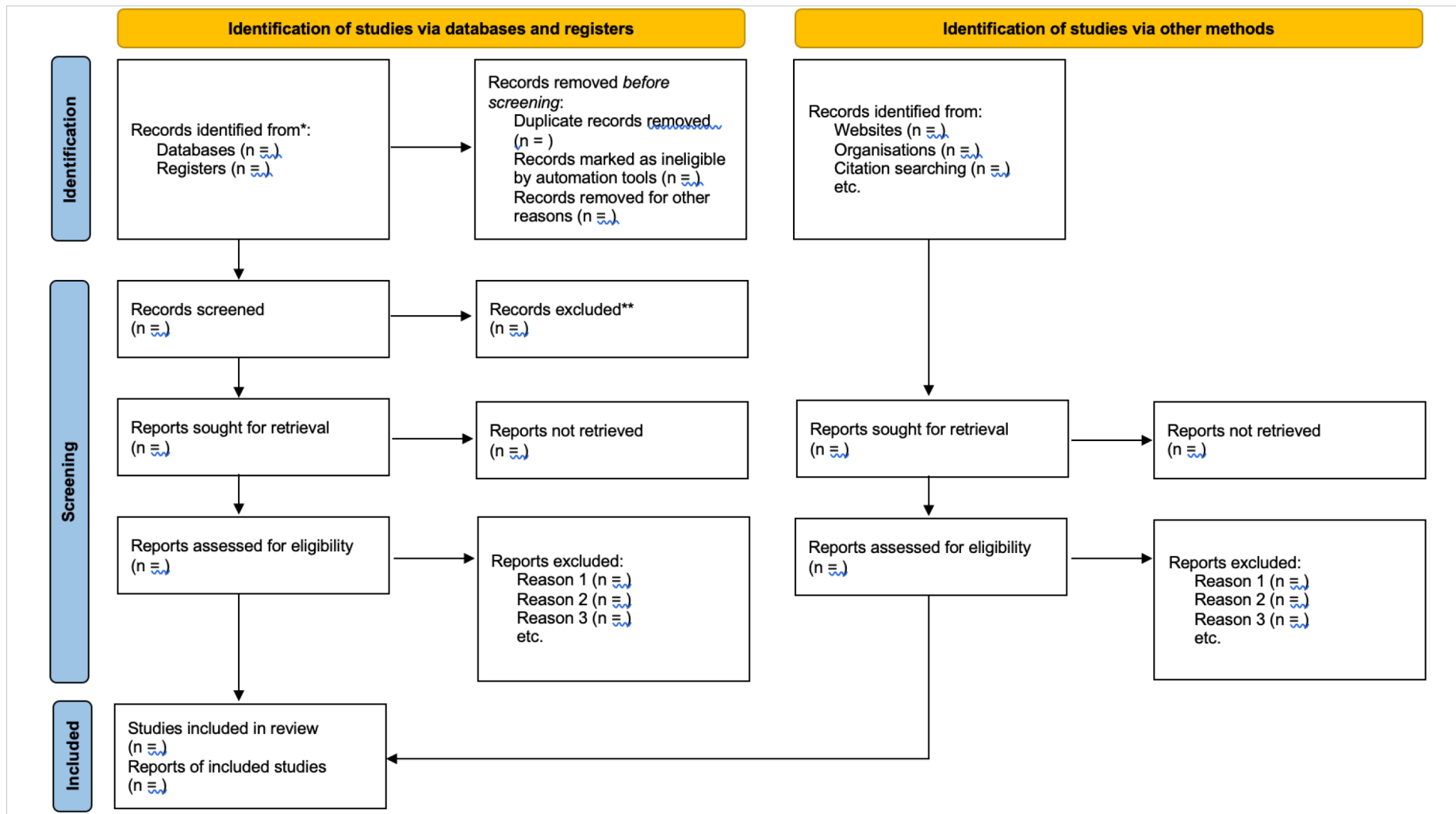




## **PRISMA 2020 flow diagram for new systematic reviews which included searches of databases, registers and other sources**

- New SR/ MA
- Include databases; PubMed, Embase, etc.
- Include registers; clinicalTrial.gov, etc.
- Include other sources; web searching, conference searching, others.

# PRISMA 2020 flow diagram for new systematic reviews which included searches of databases, registers and other sources

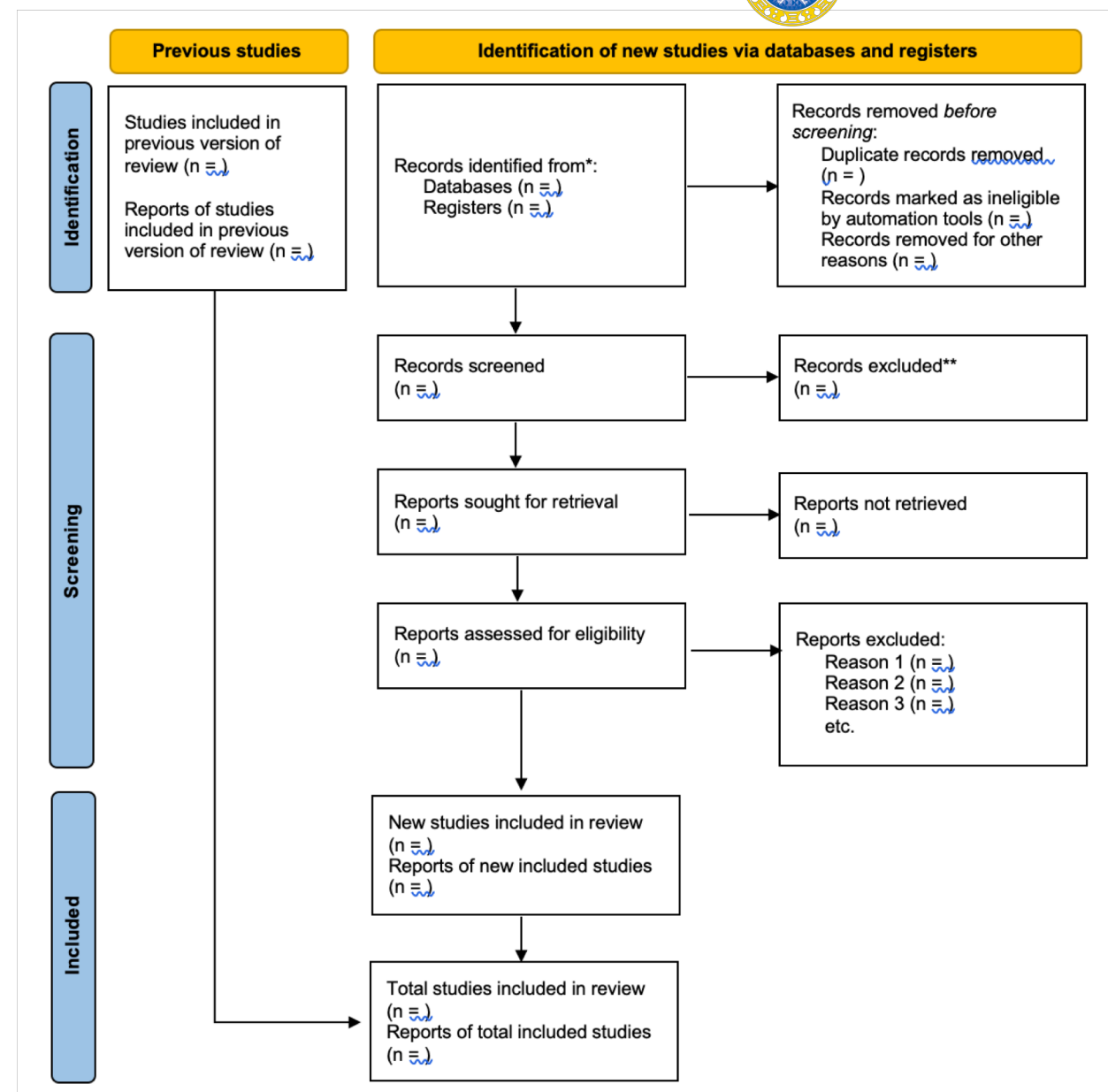




## **PRISMA 2020 flow diagram for updated systematic reviews which included searches of databases and registers only**

- Updated SR/ MA
- Include databases; PubMed, Embase, etc.
- Include registers; clinicalTrial.gov, etc.
- Recheck from previous SR/ MA

# PRISMA 2020 flow diagram for updated systematic reviews which included searches of databases and registers only



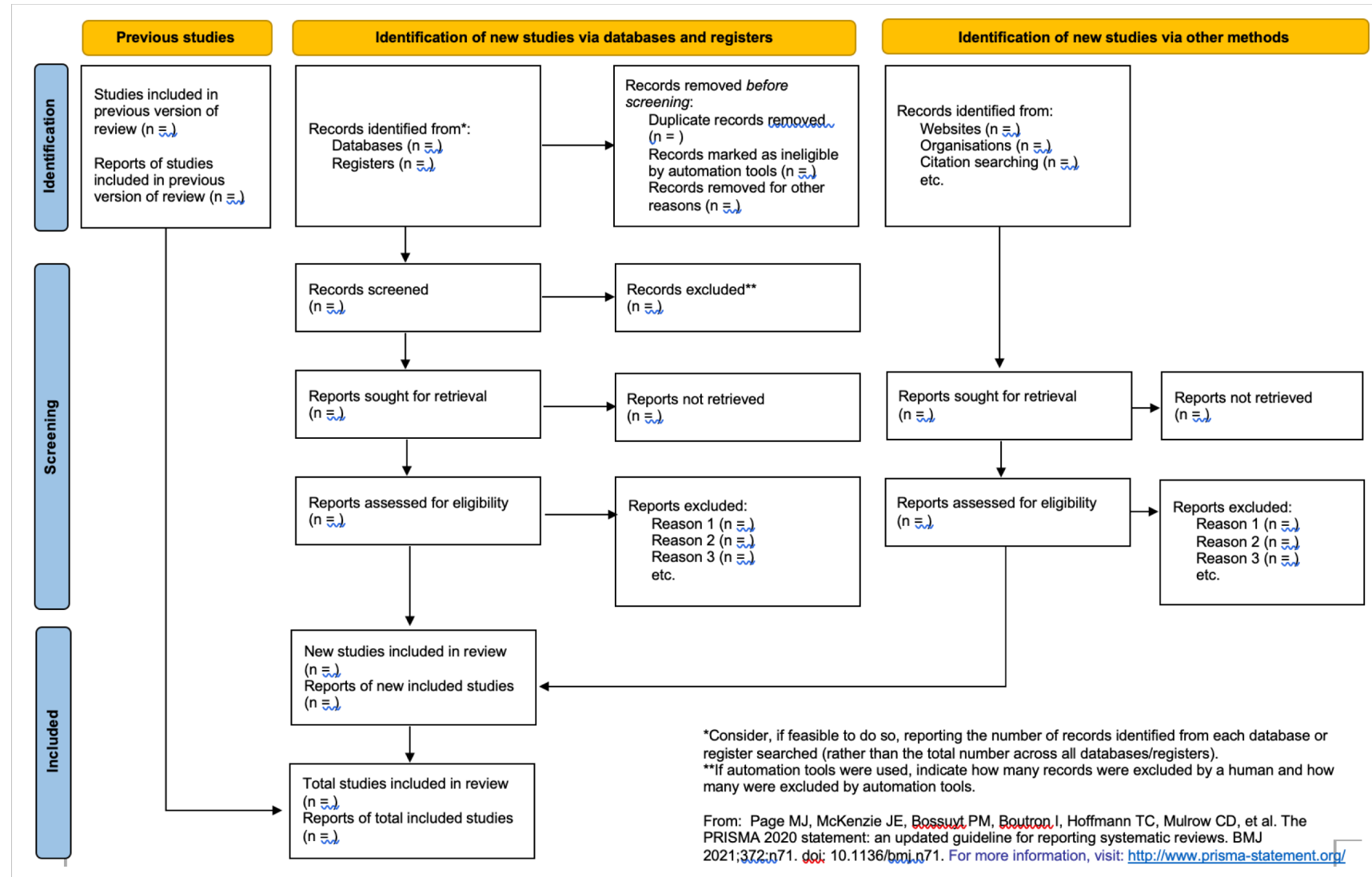


## **PRISMA 2020 flow diagram for updated systematic reviews which included searches of databases, registers and other sources**

- Updated SR/ MA
- Include databases; PubMed, Embase, etc.
- Include registers; clinicalTrial.gov, etc.
- Include other sources; web searching, conference searching, others.
- Recheck from previous SR/ MA



# PRISMA 2020 flow diagram for updated systematic reviews which included searches of databases, registers and other sources





# EndNote

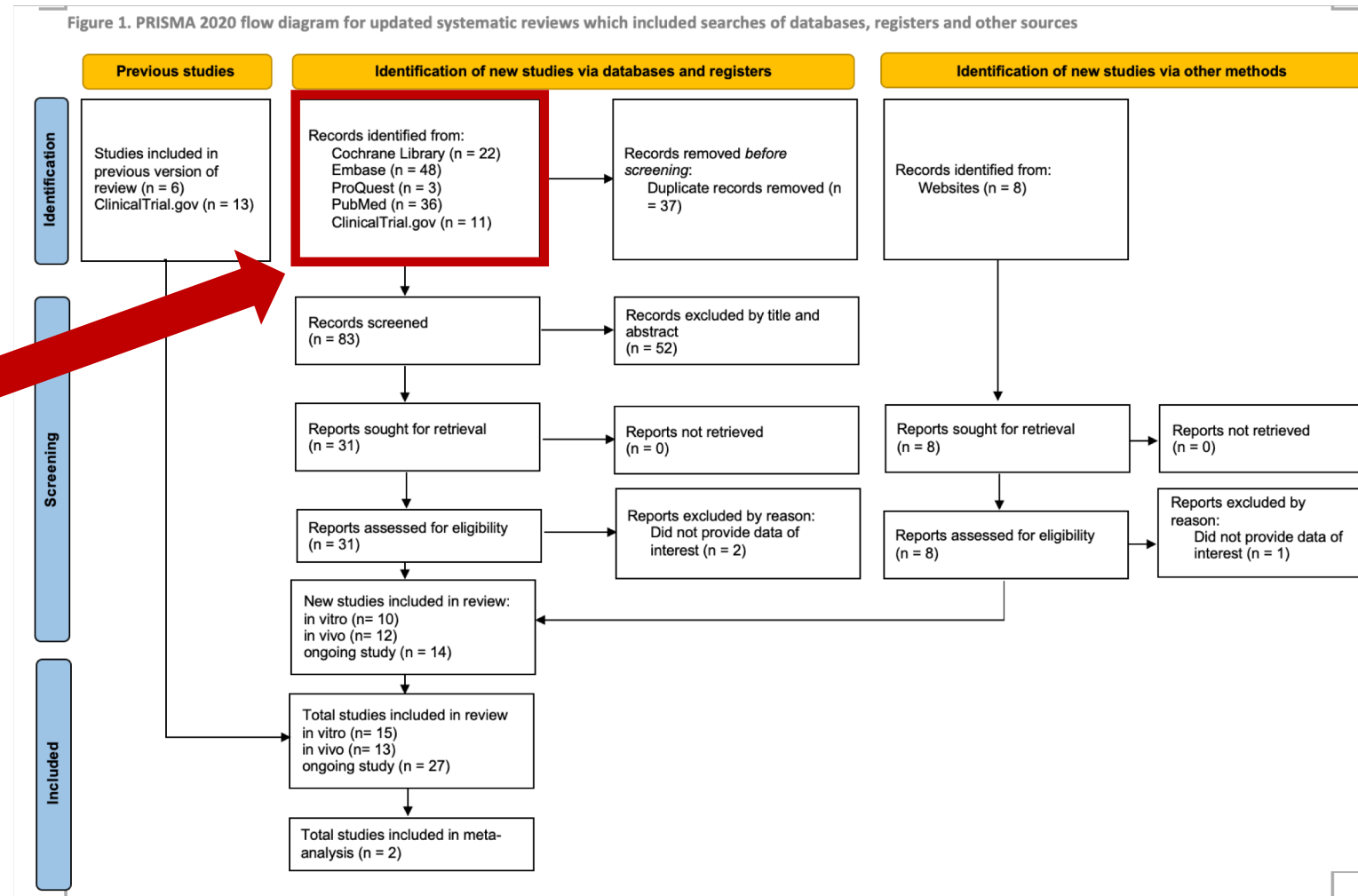
- Identification
  - Records from databases
  - Remove duplicates
- Screening
  - Records screening by PICO
  - Retrieve for full text
  - Eligible for extraction
- Included
  - Qualitative synthesis (SR)
  - Quantitative synthesis (MA)



# EndNote; Identification

The screenshot displays the EndNote software interface. On the left, the 'My Library' sidebar shows a list of groups: 'All References' (109), 'Configure Sync...', 'Recently Added', 'Unfiled', 'Trash', 'My Groups' (22), 'Cochrane' (22), 'Embase' (48), 'ProQuest' (3), and 'Pubmed' (36). A red arrow points to the 'My Groups' section. The main window shows a list of references with columns for Author, Year, and Title. The first reference is selected: 'Abdelhadi, S. 2021 COVID-19: Topical agents and therapeutic prevention of nasal viral acquisition'. The right sidebar shows the details for this reference, including Author (Abdelhadi, S., Ruszczak, Z., Schwartz, R. A.), Year (2021), Title (COVID-19: Topical agents and therapeutic prevention of nasal viral acquisition), Journal (Dermatologic Therapy), Volume (34), Issue (1), Type of Article (Review), ISSN (1529-8019, 1396-0296), DOI (10.1111/dth.14454), Custom ID (5, 33107144), and Keywords (allergen, angiotensin converting enzyme 2, anti-infective agent). The Vancouver SMR citation is also displayed: [1] Abdelhadi S, Ruszczak Z, Schwartz RA. COVID-19: Topical agents and therapeutic prevention of nasal viral acquisition. Dermatologic Therapy. 2021;34(1).

# PRISMA; Identification

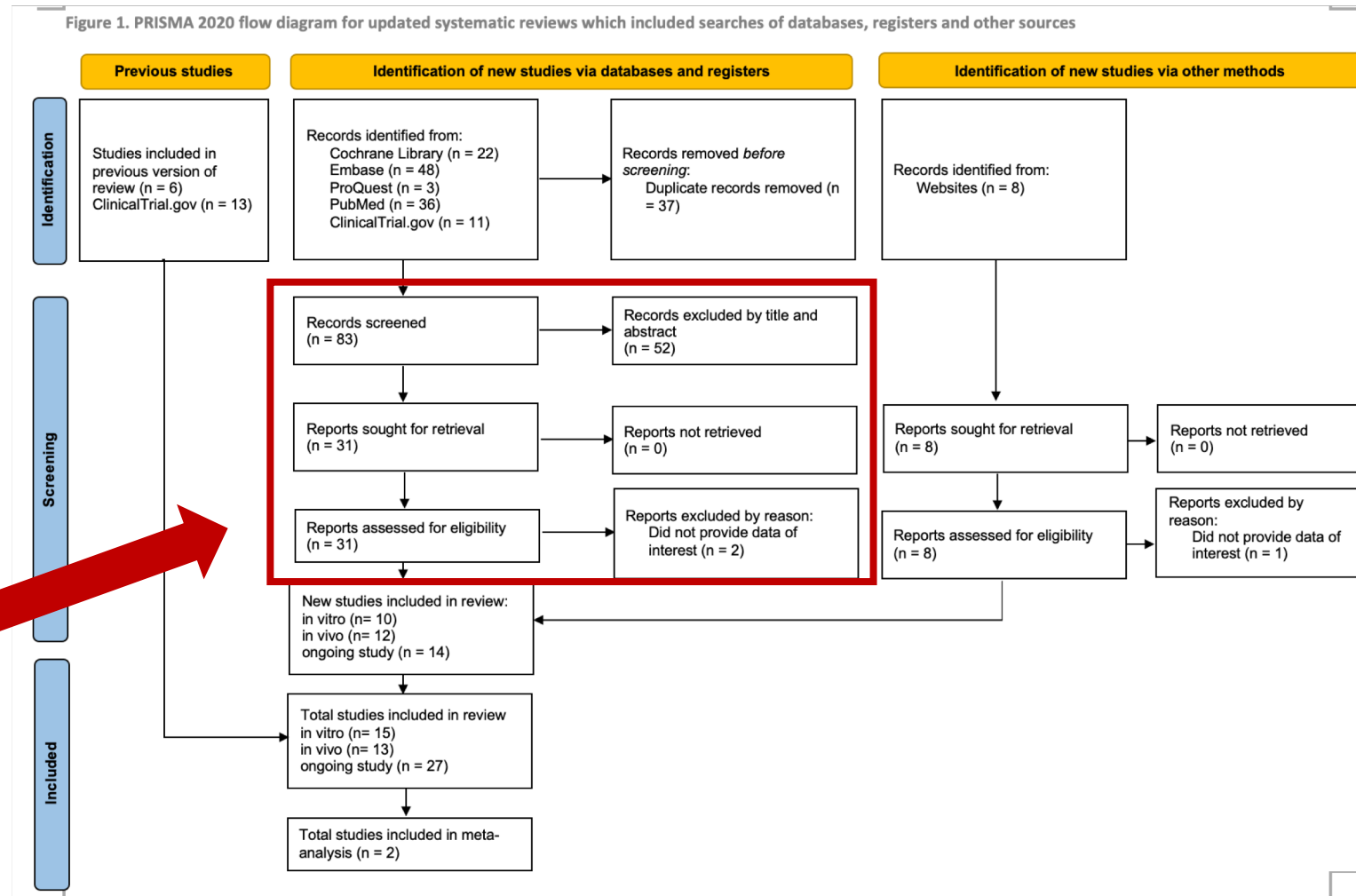




# EndNote; Screening

The screenshot shows the EndNote software interface. On the left, there is a sidebar with a 'My Library' section containing several filters: 'All References' (109), 'Configure Sync...', 'Recently Added', 'Unfiled', 'Trash', 'My Groups', and 'Find Full Text'. Under 'My Groups', there are five filters: '1. included' (16), '2. duplicate' (30), '3. exclude ti...' (47), '4. exclude SR' (5), and '5. NCT' (11). A red arrow points to the '2. duplicate' filter. The main area displays a list of references with columns for Author, Year, and Title. The first few references are: 'Abdelhadi, S... 2021 COVID-19: Topical agents and therapeutic prevention of nasal viral acqui...', 'Anderson, D.... 2020 Povidone-Iodine Demonstrates Rapid In Vitro Virucidal Activity Against SARS-...', 'Arakeri, G.;... 2021 Methylene blue as an anti-COVID-19 mouthwash in dental practice', 'Avhad, S. K.;... 2020 Comparison of effectiveness of chlorine dioxide mouthwash and chlorhexidine...', 'Avhad, S. K.... 2020 Comparison of effectiveness of chlorine dioxide mouthwash and chlorhe...', 'Babady, N. E... 2021 Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Real-Time...', 'Babady, N. E... 2021 Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Real-...', 'Benegiamo,... 2021 Using antiseptic mouthrinses to reduce sars-cov2 oral viral load', 'Benson, K.... 2021 A Review of Topical Povidone-iodine to Decrease Viral Load of COVID-19', 'Burton, M. J.... 2020 Antimicrobial mouthwashes (gargling) and nasal sprays administered to...', 'Burton, M. J.... 2020 Antimicrobial mouthwashes (gargling) and nasal sprays administered to...', 'Burton, M. J.... 2020 Antimicrobial mouthwashes (gargling) and nasal sprays to protect health...', 'Carrouel, F.;... 2020 COVID-19: A recommendation to examine the effect of mouthrinses with...', 'Carrouel, F.;... 2020 COVID-19: A Recommendation to Examine the Effect of Mouthrinses with...', 'Carrouel, F.;... 2021 Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2', 'Carrouel, F.;... 2021 Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2', 'Carrouel, F.;... 2020 Salivary and Nasal Detection of the SARS-CoV-2 Virus After Antiviral Mou...', 'Carrouel, F.;... 2020 Salivary and Nasal Detection of the SARS-CoV-2 Virus After Antiviral Mou...', 'Casale, M.;... 2020 Could nasal irrigation and oral rinse reduce the risk for COVID-19 infecti...', 'Casale, M.;... 2020 Could nasal irrigation and oral rinse reduce the risk for COVID-19 infecti...', 'Castro-Ruiz,... 2020 Povidone-Iodine Solution: A Potential Antiseptic to Minimize the Risk of...', 'Cavalcante-... 2021 Is there scientific evidence of the mouthwashes effectiveness in reducin...', 'Chaudhry, A... 2021 Rinsing the rima oris for expanding the horizons of breathing: Hypothesi...', 'Chopra, A.;... 2021 Can povidone iodine gargle/mouthrinse inactivate SARS-CoV-2 and decr...', 'Cimolai, N. 2020 Efficacy of povidone-iodine to reduce viral load', 'da Fonseca... 2021 A Phthalocyanine Derivate Mouthwash to Gargling/Rinsing as an Option to Re...', 'da Silva Ped... 2021 Are the salivary glands the key players in spreading COVID-19 asymp...', 'Davies, K.; B... 2021 Effective in vitro inactivation of SARS-CoV-2 by commercially available mouth...', 'Davies, K.;... 2021 Effective in vitro inactivation of SARS-CoV-2 by commercially available...', 'de Toledo Te... 2020 Potential mouth rinses and nasal sprays that reduce SARS-CoV-2 viral lo...', 'de Toledo Te... 2020 Potential mouth rinses and nasal sprays that reduce SARS-CoV-2 viral lo...', 'Drks, 2021 Quantification of the reduction on the viral load (SARS-CoV-2) on person...', 'Euctr, G. B. 2020 Sinus-Wash Pilot Study', 'Flight, Willia... 2014 The Role of Respiratory Viruses in Exacerbations of Cystic Fibrosis in A...', 'R. B. R. ftdj 2020 Evaluation of the Effectiveness of an Oral Antiseptic in Improving the Cli...', 'Gottsauer,... 2020 A prospective clinical pilot study on the effects of a hydrogen peroxide mouthri...', 'Gottsauer.... 2020 A prospective clinical pilot study on the effects of a hydroaen peroxide...'. The right side of the interface shows a 'No Reference Selected' message and a search bar.

# PRISMA; Screening



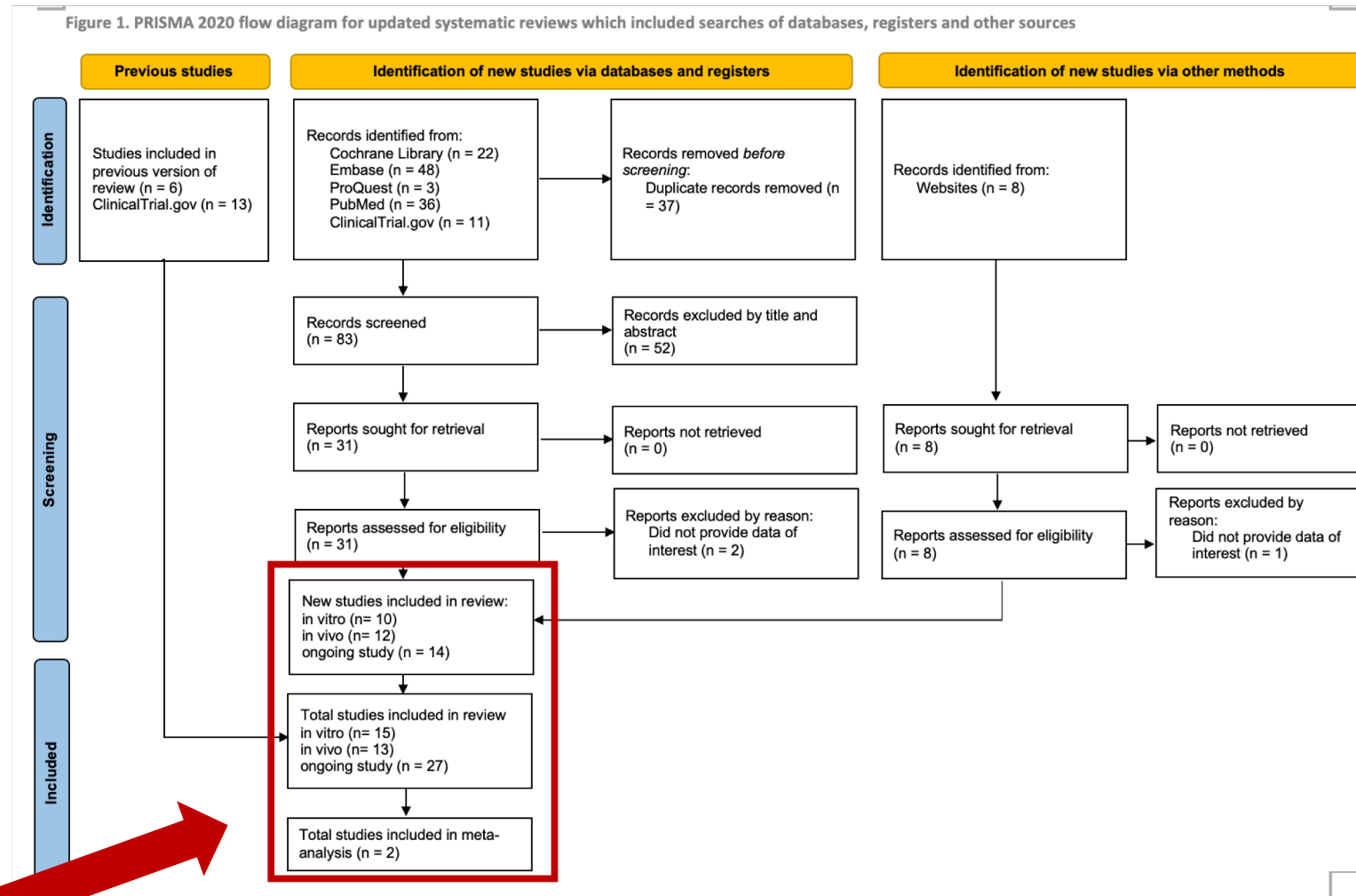


# EndNote; Included

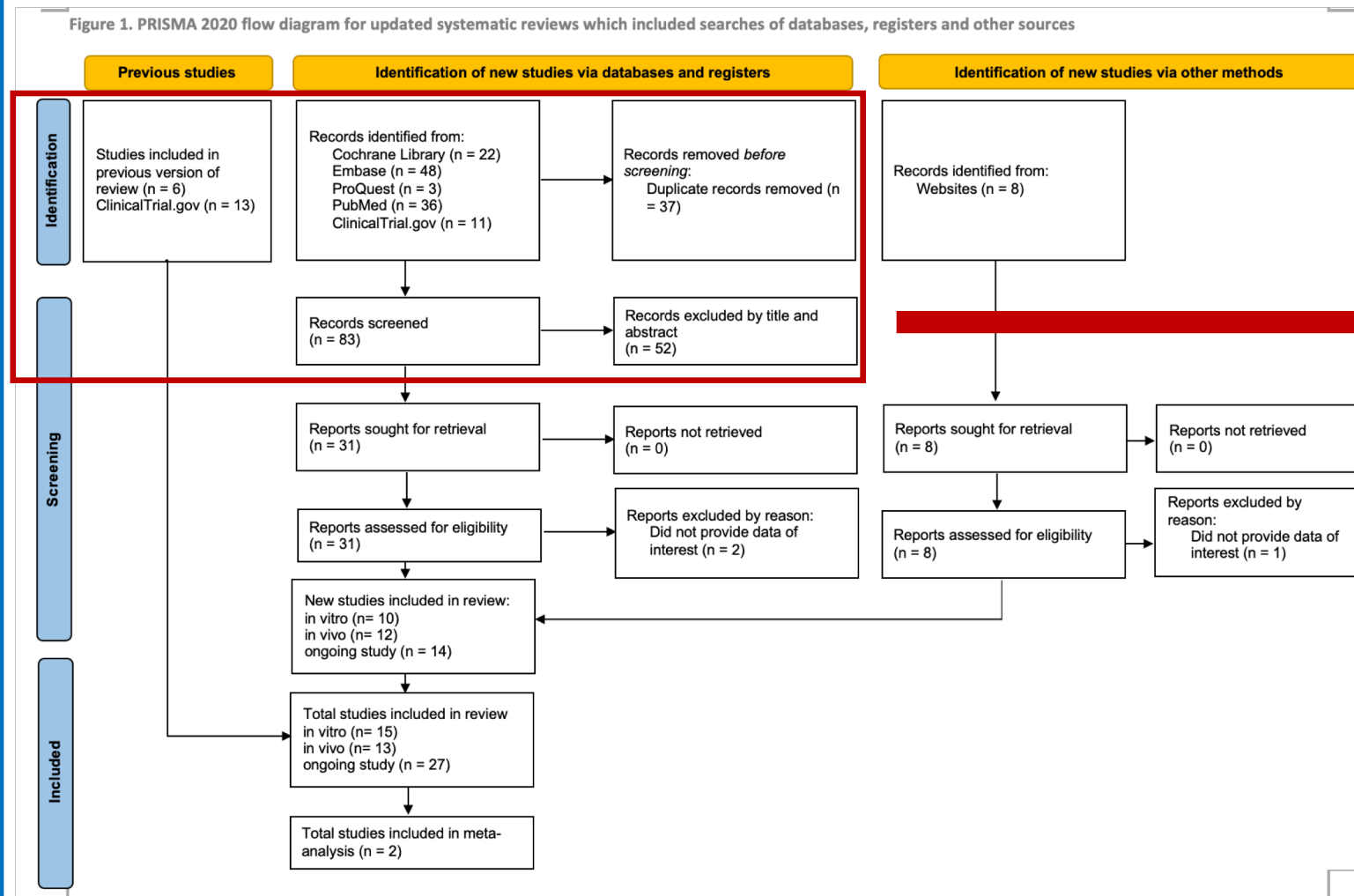
The screenshot shows the EndNote software interface. On the left, there is a sidebar with a 'My Groups' section. A red arrow points to the group '1. included', which contains 16 references. The main window displays a list of references with columns for Author, Year, and Title. The 'Clavate Analytics' logo is visible at the top center. The right side of the interface shows a 'No Reference Selected' message and a search bar.

Author	Year	Title
Abdelhadi, S...	2021	COVID-19: Topical agents and therapeutic prevention of nasal viral acqui...
Anderson, D...	2020	Povidone-Iodine Demonstrates Rapid In Vitro Virucidal Activity Against SARS-...
Arakeri, G.;...	2021	Methylene blue as an anti-COVID-19 mouthwash in dental practice
Avhad, S. K.;...	2020	Comparison of effectiveness of chlorine dioxide mouthwash and chlorhexidine...
Avhad, S. K....	2020	Comparison of effectiveness of chlorine dioxide mouthwash and chlorhe...
Babady, N. E...	2021	Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Real-Time...
Babady, N. E...	2021	Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Real...
Benegiamo,...	2021	Using antiseptic mouthrinses to reduce sars-cov2 oral viral load
Benson, K....	2021	A Review of Topical Povidone-iodine to Decrease Viral Load of COVID-19
Burton, M. J....	2020	Antimicrobial mouthwashes (gargling) and nasal sprays administered to...
Burton, M. J....	2020	Antimicrobial mouthwashes (gargling) and nasal sprays administered to...
Burton, M. J....	2020	Antimicrobial mouthwashes (gargling) and nasal sprays to protect health...
Carrouel, F.;...	2020	COVID-19: A recommendation to examine the effect of mouthrinses with...
Carrouel, F.;...	2020	COVID-19: A Recommendation to Examine the Effect of Mouthrinses with...
Carrouel, F.;...	2021	Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2
Carrouel, F.;...	2021	Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2
Carrouel, F.;...	2020	Salivary and Nasal Detection of the SARS-CoV-2 Virus After Antiviral Mou...
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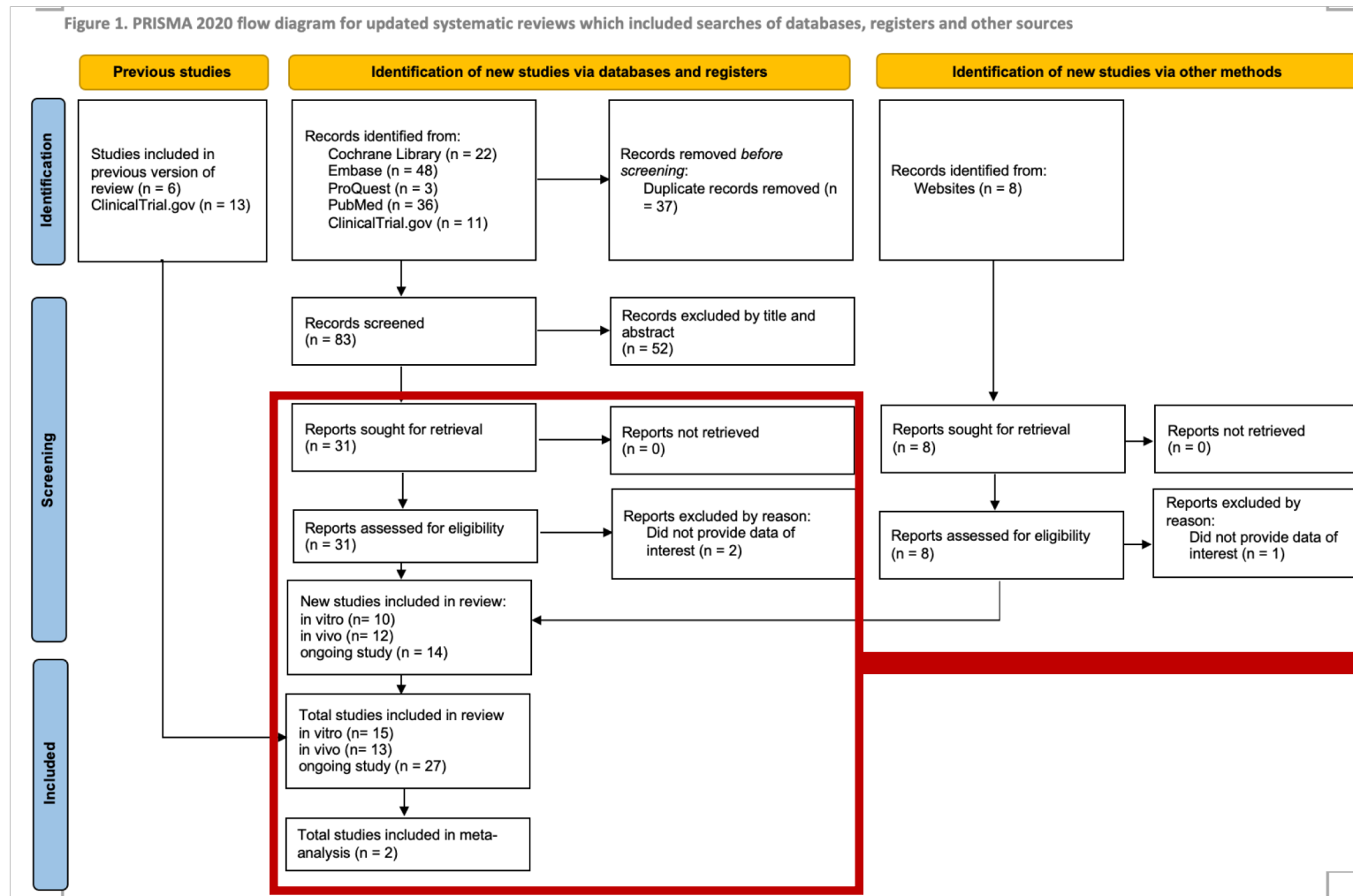


# Title and abstract screening



- Lakukan pemilihan duplicate
- Lakukan pemilihan sesuai dengan title and abstract (PICO)

# Full-text downloading and screening



- Sebelum melakukan ekstraksi data, maka harus menemukan fulltext article.
- Meminta data ke original author jika di perlukan.
- Perhatikan studi yang masuk di SR sebelumnya (sejenis).



# Terima kasih