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BIBLIOMETRIC ANALYSIS OF EMOTIONAL EXPRESSION OF FAMILY WITH SCHIZO-PHRENIA

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ABSTRACT

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Families caring for people with schizophrenia will face various emotional expressions because of the challenges and struggles that are very taxing on the family's psychology. The recovery of people with schizophrenia is greatly influenced by the care and guidance of family members. This confirms that family parenting plays a very important role in the recovery of schizophrenic individuals. Research on emotional expression related to family burden in caring for schizophrenic sufferers is still very little carried out, for this reason, researchers will begin research on family emotional expression in treating schizophrenic patients which can help the patient's healing process. This study aims to explore the emotional expression of families in caring for people with schizophrenia by analyzing network visualization, overlay visualization, and density visualization through bibliometric analysis. The analytical method used VOSviewer bibliometric analysis with records identified through a database search https://app.dimensions.ai/ further selected by the PRISMA flowchart. The results of a search for publications related to family emotional expression in caring for people with schizophrenia resulted in 259,256 articles. After screening through the specified criteria, a total of 67,253 articles were obtained. From the visualization, it can be seen that there are 9 clusters. Expression of family emotions becomes a trend in visualization. Visualization density shows that the topics that have the visualization in the low category are aggressive behaviour, schizophrenic patients, biotype, psychiatry, caregivers, BPD (personal personality disorder), alexithymia, and control group. The conclusion is that caring for schizophrenic patients requires support and attention from the families involved because schizophrenia is a complex mental disorder and affects many aspects of the patient's life. Bibliometric analysis found that the impact of family emotions on treating schizophrenia included: personal personality disorders, family psychological disorders, aggressive behavior in the family, and a very heavy burden in terms of subjective and objective factors.

Keywords:

Bibliometry, Emotional expression, Family, Schizophrenia

BACKGROUND

Emotional expression is the way a person expresses or shows their feelings and emotions through body language, face, voice and other actions. Emotional expression is an important part of non-verbal communication that allows others to understand one's feelings and thoughts without having to use words (Yokoyama, 2022). Expression of one's emotions is closely related to psychological conditions. The heavy burden on families caring for schizophrenic patients can arise from both subjective and objective factors (Kusumawardani, Yusuf and Ni'mah, 2019; Putri, Isnaeni and Adrianto, 2019; Aubeeluck and Luximon-Ramma, 2020). In China, the family burden will bring negative behaviour in family expression (Sawafi et al., 2020). Family burden in caring for schizophrenics with depression/psychological disorders (Simak, Soldatkin and Andreev, 2020), bad stigma, and negative behaviour. In previous studies, many caregivers discussed family knowledge (Fitryasari et al., 2018), mental health (Ners et al., 2018), family stigma and burden (Wan and Wong, 2019; Kumari, 2020), Research with the theme of family emotional expression caring for people with schizophrenia requires a lot of reference sources to add to the research material. The researcher will conduct a literature review to identify previous research that is relevant to the research topic. From data for 2019 - 2023, 67,253 journal publications were found and after going through a screening process based on publication category, there were 20,966 publications with various biomedical and clinical journal literature, psychology, biological psychology and science health. In developed countries the number of studies on family emotional expression in caring for people with schizophrenia is not found in many research publications. 2019 - 2021, the most data comes from publications, 60% of the majority of researchers publish the impact of Covid, the majority of which have an impact on psychology, the economy, individuals, and families in various cities and countries (Musili, 2022; Ampos et al., 2023; Bhattacharya and Bhattacharya, 2023; Nascimento et al., 2023).

METHODS

The research design uses bibliometric analysis. Notes identified through a database search https://app.dimensions.ai/ were further selected by the PRISMA flowchart namely identification, screening, and included. The first stage is identification, the results that appear are 259,256 by searching using the

keywords expression emotional, family, schizophrenia. The second stage is screening, the selected data range is between 2019 and 2023, 67,253 results have been excluded, then the selection is carried out according to the required category, and 20,966 results are obtained the inclusion criteria is the publications to be included in journal articles and conference papers, and the exclusion for this study is the document must be in English language. Furthermore, publications that do not match articles are excluded from 5,912 articles. The third stage is included, the final results of articles that meet the inclusion criteria are 15,054 articles (Figure 1). The focus of the papers is health sciences, nursing, public health, and clinical sciences and the types of publications are articles. Data were analyzed using VOSviewer. For data cleaning, we do data inspection by inspecting the dataset to get a sense of its structure, contents, and potential issues and identify and remove duplicate records from the dataset.

RESULTS

A search for publications related to the problem of family emotional expression in treating schizophrenia resulted in 259,256 articles. After re-screening through the specified criteria, a total of 67,253 articles were obtained. Illustrated publications from 2019-2023. The highest number of publications on emotional expression and family and schizophrenia in 2021 was 20,446 articles, while the lowest number was in 2023 with 4,975 articles. From 2021 to 2023 there will be a significant decrease in the number of publications on the topics of emotional expression and family and schizophrenia. Research from 2019 - 2021 has experienced a significant increase because many studies were conducted at a time when family burdens were heavy during the COVID-19 pandemic season (Qudsi and Rizkillah, 2023).

DISCUSSION

Research related to schizophrenia is very low because it is considered uninteresting (Yunita, Isnawati and Addiarto, 2021). In research publications on the topic of family emotional expression treating schizophrenia will decrease in 2023 (Djara, Ousmane and Vianou, 2020; Gado, 2022; Soydan and Akalin, 2022). This is closely related to the lack of attention to family problems related to the burden on families caring for people with schizophrenia in 2023 (Ners et al., 2018; Rokhyati, Dwidiyanti and Sari, 2019; Efendi and Julianto, 2020; Yunita, Isnawati and

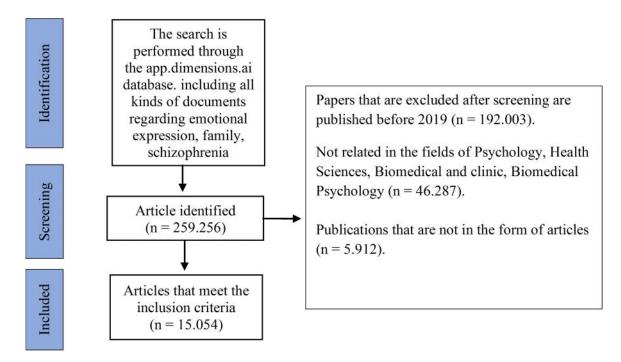


Figure 1. PRISMA Flowchart

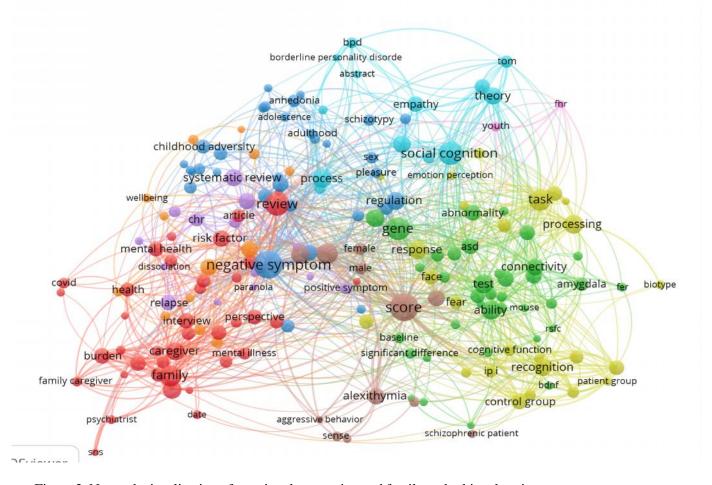


Figure 2. Network visualization of emotional expression and family and schizophrenia

Addiarto, 2021; Sarah Khairunnisa Zahrani and Farida Coralia, 2022), so researchers began to develop a study focus on other topics, one of which is the emotional expression of families caring for schizophrenic

patients (Pardede, 2020; Charles R. Berger, 2021; Sarah Khairunnisa Zahrani and Farida Coralia, 2022). Not many publications have been seen on this topic in 2023, this is because a literature search related to

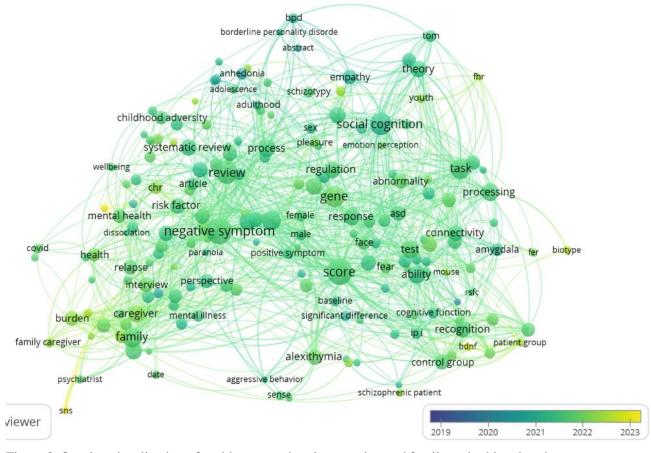


Figure 3. Overlay visualization of problems emotional expression and family and schizophrenia

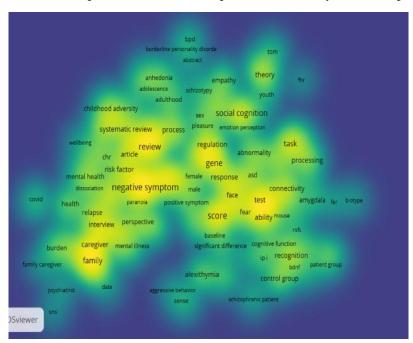


Figure 4. Density visualization of problems emotional expression and family and schizophrenia

the topic was carried out in June 2023 and not yet the end of 2023 so there are still many publications related to the emotional expression of families caring for schizophrenic patients that have not been published (Figure 2).

Analysis using the VOSviewer overlay visualization shows the data. The number of publications related to the emotional expression of families caring

Table 1. Vosviewer cluster items

Cluster	Item
Cluster 1	Caregiver, burden, efficacy, family, family caregiver, family member, health, mental disorder, mental health, mental illness, psychiatrist, psychotherapy, risk factor, severe mental illness, stigma, suicide, support.
Cluster 2	Abnormality, ability, autism, bdnf, brain region, clinical symptom, emotion recognition, first-episode schizophrenia, functional connectivity, important role, schizophrenia spectrum.
Cluster 3	Adolescence, adulthood, childhood abuse, cluster, depressive symptom, first episode psychosis, major depressive disorder.
Cluster 4	Biotype, chronic schizophrenia, cognitive function, control group, emotion perception, emotion processing, facial emotion recognition, patient group.
Cluster 5	Childhood trauma, clinical high risk, paranoia, positive symptoms, psychosocial stress.
Cluster 6	Borderline personality disorder, emotional intelligence, empathy, social cognition.
Cluster 7	Childhood maltreatment, parent, serious mental illness.
Cluster 8	Adolescent, aggressive behavior, schizophrenia patient.
Cluster 9	For, youth.

for people with schizophrenia looks very few, and will not become a trend in 2023. Researchers prefer problems in various sectors, most of which are dominated by Covid, which has a very large impact on patients, families, health workers, medicines, and associations in various countries (Arcanjo and Beccaria, 2023; Cunha et al., 2023; Doku, 2023; Gir et al., 2023; O'Brien, Markiewicz-Keszycka and Herron, 2023; Zheng et al., 2023) (Zheng et al., 2023) (Figure 3). Journals found related to family emotional expression caring for schizophrenia, yellow themes are often used by researchers so that they experience high levels of saturation (Cunha et al., 2023; Elkawy, 2023; Patel and Parkins, 2023; Romero, 2023; Thomas and Aloysius, 2023; Uzlifatin et al., 2023). The results of the VOSviewer density Visualization analysis also show many themes that are rarely used to reveal research such as emotional expression related to aggressive behaviour, family caregiver, psychiatric, schizophrenic patient, biotype, family caregiver, borderline personality disorder (de Freitas et al., 2023; Ferreira, Balsanelli and Santos, 2023; Golovin, 2023; Lira et al., 2023; van Heteren et al., 2023) (Figure 4).

CONCLUSION

Publications about family emotional expression in caring for schizophrenics are still very few compared to 2023, in 2019-2021 the data is mostly dominated by research that raises COVID because it has a huge psychological and mental impact on various groups and has an impact on the economy, all ages, family finances and the lack of available medicines so that all researchers are interested in taking the civic theme to take as data and research material in 2023 there are still very large opportunities for researchers to conduct research related to more trending themes and will become big novelties like cases problems related to Aggressive behaviour, family caregivers, psychiatrists, schizophrenic patients, biotypes, family caregivers, borderline personality disorder.

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