Development of strategies to reduce mental health disorders for adolescents in Pinrang South Sulawesi, Indonesia: A qualitative Study

Desarrollo de estrategias para reducir los trastornos de salud mental en adolescentes en Pinrang South Sulawesi, Indonesia: un estudio cualitativo

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SUMMARY

Adolescents are susceptible to mental disorders due to family problems, peer problems, and personal stress. Problems are inevitable, but strong people can overcome difficulties in their own way. This means that the ability to survive will turn problems into challenges. This study aims to explore in depth the strategies that must be developed to overcome mental health disorders for students in Pinrang Regency. This study is qualitative research using a literature review approach related to developing strategies to reduce mental health disorders in adolescents. In addition, focus group discussion (FGD) and in-depth interview techniques were used. The informants involved in this study came from the health office, the education

field of arts, culture, and works (SBK), students and parents of students. The location of this research was carried out in 2 sub-districts (Watang, Sawitto, and Tiroang) in Pinrang Regency, namely at SMP Negeri 8 Pinrang, which is reflective of adolescents in the city and SMP Negeri 4 Tiroang, a reflexive of adolescents in the countryside. Based on the results of the FGD, it is known that the role of parents and teachers is very important in reducing mental health disorders among teenagers. In conclusion, it is expected that active involvement and collaboration between teachers and parents are essential in providing holistic support for teenagers with mental health disorders. Thus, teenagers will find overcoming challenges and achieving better well-being easier. It is important to develop research related to mental health disorders in students by looking at family environmental factors and the environment in which the adolescent lives as a development of the research that has been conducted.

and culture office, school principals, teachers in the field of Counseling Guidance (BK), teachers in the

DOI: https://doi.org/10.47307/GMC.2024.132.4.17

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Recibido: 19 de septiembre 2024 Aceptado: 23 octubre 2024 **Keywords:** Mental health, adolescents, macrame art.

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RESUMEN

Los adolescentes son susceptibles a sufrir trastornos mentales debido a problemas familiares, problemas con los compañeros y estrés personal. Los problemas son inevitables, pero las personas fuertes pueden superar las dificultades a su manera. Esto significa que la capacidad de sobrevivir convertirá los problemas en desafíos. Este estudio tiene como objetivo explorar en profundidad las estrategias que deben desarrollarse para superar los trastornos de salud mental de los estudiantes de Pinrang Regency. Este estudio es una investigación cualitativa que utiliza un enfoque de revisión de la literatura relacionada con el desarrollo de estrategias para reducir los trastornos de salud mental en adolescentes. Además, se utilizaron discusiones de grupos focales (DGF) y técnicas de entrevista en profundidad. Los informantes involucrados en este estudio provinieron de la secretaría de salud, la secretaría de educación y cultura, directores de escuelas, docentes del área de Orientación (BK), docentes del área de artes, cultura y obras (SBK), estudiantes y padres de familia de estudiantes. La ubicación de esta investigación se llevó a cabo en 2 subdistritos (Watang, Sawitto y Tiroang) en Pinrang Regency, concretamente en SMP Negeri 8 Pinrang, que refleja a los adolescentes de la ciudad y SMP Negeri 4 Tiroang, un reflejo de los adolescentes en el campo. A partir de los resultados del DGF, se sabe que el papel de padres y profesores es muy importante en la reducción de los trastornos de salud mental entre los adolescentes. En conclusión, se espera que la participación activa y la colaboración entre profesores y padres sean esenciales para brindar apoyo integral a los adolescentes con trastornos de salud mental. Así, a los adolescentes les resultará más fácil superar sus retos y alcanzar un mayor bienestar. Es importante desarrollar investigaciones relacionadas con los trastornos de salud mental en los estudiantes observando los factores ambientales familiares y el entorno en el que vive el adolescente, como un desarrollo de la investigación que se ha realizado.

Palabras clave: Salud mental, adolescentes, arte macramé.

INTRODUCTION

Adolescents in the age range of 10-17 years in the transition period from adolescenthood to adulthood involve changes in physical/physical development, emotions, interests, and roles in social groups; changes in interests and behavioral patterns have an empirical nature, demanding

freedom but still doubting the ability to be responsible, this age is a period of change or transition of elementary school (SD) to junior high school (SMP) age (1-4). Adolescents who experience problems or mental disorders will affect their productivity (5-9). Globally, mental health is an important issue in various countries. IPSOS Global Health Service Monitor 2023 shows that out of 23 274 people from 31 countries in the world from July 2021 to August 2023, as many as 44 % of respondents considered mental health to be the most worried problem, Sweden (67%) is in first place, followed by Chile (66 %) and Canada (61 %), while Indonesia is in 22nd place with 38 %. Most sufferers are adolescents and adults; the number of male sufferers experiencing mental health in Gen Z (38 %), Millennials (40 %), Gen X (39 %), and seniors (32 %), while for the female gender Gen Z (56 %), Millennials (51 %), Gen X (49 and seniors (44 %) (10).

Based on Basic Health Research, the prevalence of mental-emotional disorders among adolescents over the age of 15 increased from 9.8 % in 2018 to 13 % in 2020. According to the data from the Indonesia National Adolescent Mental Health Survey, in 2022, as many as 15.5 million (34.9%) adolescents experienced mental problems, and 2.45 million (5.5 %) adolescents experienced mental disorders. Of that number, only 2.6 % get access to emotional and behavioral counseling services. According to the World Health Organization (WHO), as many as 50 % of people experience mental health disorders starting from adolescence starting from the age of 14 years (at the age of junior high school); many cases are not handled, so suicide due to depression is the highest cause of death in young people aged 15-29 years. Pinrang Regency data on junior high school students in 2021 shows that around 70.8 % of students are 14 years old, while for gender, as many as 68.2 % are males and 66.7 % females. For the grade level, it shows that the level of stress is very severe in grade VIII students, with 38 (67.9 %) experiencing very severe stress; the figure is relatively high (11,12).

Adolescents are prone to mental disorders due to family problems, peer problems, and personal stress. Problems are inevitable, but strong people will be able to overcome problems in their own way. This means that the ability

to survive will turn problems into challenges, failures into successes, and helplessness into strength. Therefore, adolescents/students must be resilient to survive, bounce back, and adjust to difficult and stressful conditions in various situations. The principles that should be applied in parent-adolescent relationships are to help students become *resilient*, confident, purposeful, and empathetic when facing life's challenges (4,13,14).

One way to reduce the rate of mental disorders in adolescents is to engage in artistic activities, either as artists or observers (15-17). This is because participating in artistic activities has the potential to improve Mood and generate positive emotions. Artistic activities allow a person to show their creative expression, such as drawing, storytelling, dancing, and singing; the craft form of knots can aid in healing. The arts offer several therapeutic benefits, including improving our understanding of ourselves and others, improving our ability to reflect on ourselves, reducing symptoms of various diseases, and changing the way we think and behave (14,18,19). One of the types of art that can be introduced is art macrame, which is a piece of knot craftwork made of cloth or rope; based on this data (20). Integrating conditions of mental health disorders with the art of knotting crafts, which is an activity that is expected to be able to overcome mental health disorders because there is a focus on the activity. The purpose of this research is to develop a strategy to reduce mental health disorders through a macrame art-based approach in adolescents in Pinrang Regency

METHODS

This research uses qualitative research methods with a phenomenological approach to explore strategies for reducing mental health disorders in adolescents in two different locations, namely SMP Negeri 8 Pinrang (urban) and SMP Negeri 4 Tiroang (rural). This approach was chosen to compare the mental health conditions of adolescents in urban and rural environments and the factors that influence them. A case study design was chosen because it allows for in-depth exploration of the specific context of two different schools. This helps researchers understand the

differences and similarities in mental health conditions in urban and rural settings. Qualitative data was collected through Focus Group Discussions (FGD) and in-depth interviews with key informants, such as representatives of the Health Service, Education Service, school principals, guidance and counseling teachers (BK), and teachers in the field of Arts, Culture, and Work (SBK), as well as students' parents. FGDs were used to explore collective perceptions, while in-depth interviews were used to understand direct experiences related to adolescent mental health. Data was analyzed using thematic analysis to identify themes related to adolescent mental health. A comparison between the two locations was carried out to understand the factors that influence stress levels in the two locations

RESULT

The preparation of the development of strategies to reduce mental health disorders in adolescents began by measuring the stress level of all students in SMP Negeri 8 Pinrang and SMP Negeri 4 Tiroang using the DASS42 questionnaire. Then, it was analyzed using the SPSS application (Table 1).

Table 1 shows that the highest education level of parents (father and mother) is junior high school, namely 38.8 and 40 %. The highest father's occupation was as a farmer (76.7 %), while the highest mother's occupation was an IRT at 91.8 %. Pocket money per day for students, the most in the range of 10,000, which is 64.7 %, where they live more with their parents, 88.2 %, with the highest stress level being those who fall into the normal category (48.2 %).

Based on Table 2, it is known that the father's highest education level is high school completion, namely 43.5 %. Meanwhile, the highest maternal education was high school graduation, namely 41.8 %. The father's highest job is as an entrepreneur at 35.9 %, while the mother's highest job is as a housewife at 69.6 %. The daily allowance for students is mostly in the range of \geq 10 000, namely 72.3 %, of which mostly live with their parents, namely 91.3 %, with the stress level being those in the moderate stress category, 27.1 %.

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Table 1. Distribution of students of SMP Negeri 4 Tiroang

| Variable | Student Gender Man Woman | | | | Total | |
|------------------------------------|-----------------------------|--------------|-------|--------------|----------|--------------|
| | n N | lan % | n Woi | nan % | n | % |
| | | | | | | |
| Father's Education Level No School | 5 | 11.6 | 1 | 2.4 | 6 | 7.1 |
| SD School | | 23.3 | 17 | 40.5 | | 31.8 |
| JUNIOR | 10 16 | 23.3 37.2 | 17 | 40.5 | 27 33 | 38.8 |
| SMA | 12 | 37.2 27.9 | 5 | 40.5 11.9 | 33 17 | 38.8 20.0 |
| | | | | | | 20.0 |
| SI/Bachelor | 0 | 0 | 2 | 4.8 | 2 | 2.4 |
| Mother's Education Level | 4 | 0.2 | 2 | 7.1 | 7 | 0.2 |
| Not in school | 4 | 9.3 | 3 | 7.1 | = | 8.2 |
| SD | 10 | 23.3 | 18 | 42.9 | 28 | 32.9 |
| JUNIOR | 19 | 44.2 | 15 | 35.7 | 34 | 40.0 |
| SMA | 9 | 20.9 | 5 | 5.9 | 14 | 16.5 |
| SI/Bachelor | 1 | 2.3 | 1 | 2.4 | 2 | 2.4 |
| Father's work | 0 | 0 | 2 | - · | 2 | 2.5 |
| Laborer | 0 | 0 | 3 | 7.1 | 3 | 3.5 |
| Farmer | 33 | 76.7 | 32 | 76.2 | 65 | 76.5 |
| Teacher | 0 | 0 | 2 | 4.8 | 2 | 2.4 |
| Civil servants | 1 | 2.3 | 0 | 0 | 1 | 1.2 |
| Self-employed | 9 | 20.9 | 5 | 11.9 | 14 | 16.5 |
| Mother's work | 20 | | | 0.0 | | 0.1.0 |
| IRT | 39 | 90.7 | 39 | 92.9 | 78 | 91.8 |
| Farmer | 1 | 2.3 | 1 | 2.4 | 2 | 2.4 |
| Self-employed | 3 | 7.0 | 2 | 4.8 | 5 | 5.9 |
| Pocket money in a day (Rp) | | | | | | |
| < 10 000 | 16 | 37.2 | 14 | 33.3 | 30 | 35.3 |
| ≥ 10 000 | 27 | 62.8 | 28 | 66.7 | 55 | 64.7 |
| Where teenagers live | | | | | | |
| Parents | 38 | 88.4 | 37 | 88.1 | 75 | 88.2 |
| Grandparents | 3 | 7.0 | 3 | 7.1 | 6 | 7.1 |
| Uncle/aunt | 1 | 2.3 | 2 | 4.8 | 3 | 3.5 |
| Family | 1 | 2.3 | 0 | 0 | 1 | 1.2 |
| Stress levels | | | | | | |
| Usual | 24 | 55.8 | 17 | 40.5 | 41 | 48.2 |
| Light | 7 | 16.3 | 13 | 31.0 | 20 | 23.5 |
| Keep | 11 | 25.6 | 12 | 28.6 | 23 | 27.1 |
| Severe | 1 | 2.3 | 0 | 0 | 1 | 1.2 |

Based on the analysis results, strategies to reduce mental health disorders in Pinrang Regency were perfected based on the Focus *Group Discussion* (FGD) results. The FGD was held once by presenting several *stakeholders* who were *qualified* to explain the development of strategies to reduce mental health disorders in adolescents. The participants of FGD I are described in Table 3.

Table 3 shows that the participants of the FGD in this study are related to the field of research study, the head of the health office who

oversees various fields, including mental health and mental health disorders, and the education office about adolescents or school teenagers who are the target of the research, as well as other fields of science that are interrelated with the field of study, for example, schools and counseling departments that are indeed tasked with carrying out detection/identification if there is a problem in the school teenagers. The involvement of non-government organizations (NGOs), community leaders, and parents in this study is to see mental health problems not only by

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Table 2. Distribution of students of SMP Negeri 8 Pinrang

| Variable | | Total | | | | |
|----------------------------|-----|-------|-----|------|-----|------|
| | Man | | Wor | | | |
| | n | % | n | % | n | % |
| Father's Education Level | | | | | | |
| No School | 4 | 4.9 | 1 | 1.0 | 5 | 2.7 |
| SD | 6 | 7.4 | 24 | 23.3 | 30 | 16.3 |
| JUNIOR | 11 | 13.6 | 30 | 29.1 | 41 | 22.3 |
| SMA | 44 | 54.3 | 36 | 35.0 | 80 | 43.5 |
| SI/Bachelor | 16 | 19.8 | 12 | 11.7 | 28 | 15.2 |
| Mother's Education Level | | | | | | |
| Not in school | 0 | 0 | 4 | 3.9 | 4 | 2.2 |
| SD | 12 | 14.8 | 19 | 18.4 | 31 | 16.8 |
| JUNIOR | 11 | 13.6 | 32 | 31.1 | 43 | 23.4 |
| SMA | 41 | 50.6 | 36 | 35.0 | 77 | 41.8 |
| SI/Bachelor | 17 | 21.0 | 12 | 11.7 | 29 | 15.8 |
| Father's work | | | | | | |
| Teacher | 2 | 2.5 | 4 | 3.9 | 6 | 3.3 |
| TNI/Polri | 4 | 4.9 | 0 | 0 | 4 | 2.2 |
| Farmer | 22 | 27.2 | 35 | 34.0 | 57 | 31.0 |
| Laborer | 12 | 14.8 | 17 | 16.5 | 29 | 15.8 |
| Self-employed | 30 | 37.0 | 36 | 35.0 | 66 | 35.9 |
| Civil servants | 5 | 6.2 | 9 | 8.7 | 14 | 7.6 |
| Sailor | 2 | 2.5 | 0 | 0 | 2 | 1.1 |
| Security | 1 | 1.2 | 0 | 0 | 1 | 0.5 |
| Not working | 3 | 3.7 | 2 | 1.9 | 5 | 2.7 |
| Mother's work | | | | | | |
| Midwife | 1 | 1.2 | 0 | 0 | 1 | 0.5 |
| Nurse | 0 | 0 | 1 | 1.0 | 1 | 0.5 |
| Teacher | 6 | 7.4 | 4 | 3.9 | 10 | 5.4 |
| Self-employed | 13 | 16.0 | 9 | 8.7 | 22 | 12.0 |
| IRT | 48 | 59.3 | 80 | 77.7 | 128 | 69.6 |
| Civil servants | 5 | 6.2 | 2 | 1.9 | 7 | 3.8 |
| Laborer | 6 | 7.4 | 6 | 5.8 | 12 | 6.5 |
| Farmer | 0 | 0 | 1 | 1.0 | 1 | 0.5 |
| TNI/Polwan | 2 | 2.5 | 0 | 0 | 2 | 1.1 |
| Pocket money in a day (Rp) | | | | | | |
| < 10 000 | 21 | 25.9 | 30 | 29.1 | 51 | 27.7 |
| ≥ 10 000 | 60 | 32.6 | 73 | 54.9 | 133 | 72.3 |
| Where teenagers live | | | | | | |
| Parents | 74 | 91.4 | 94 | 91.3 | 168 | 91.3 |
| Grandparents | 3 | 3.7 | 5 | 4.9 | 8 | 4.3 |
| Uncle/aunt | 3 | 3.7 | 3 | 2.9 | 6 | 3.3 |
| Family | 1 | 1.2 | 1 | 1.0 | 2 | 1.1 |
| Stress levels | | | | | | |
| Usual | 49 | 60.5 | 42 | 40.8 | 91 | 49.5 |
| Light | 14 | 17.3 | 32 | 31.1 | 46 | 25.0 |
| Keep | 15 | 18.5 | 23 | 22.3 | 38 | 20.7 |
| Severe | 3 | 3.7 | 4 | 3.9 | 7 | 3.8 |
| Very severe | 0 | 0 | 2 | 1.9 | 2 | 1.1 |

Data source: Primary, Year 2024

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Table 3. Participants of Focus Group Discussion (FGD) on the Development of Strategies to Reduce Mental Health Disorders in Adolescents

| No | Initials (years) | Age | Work unit |
|----|------------------|-----|---|
| 1 | NW | 45 | Head of the Pinrang Regency Health Office |
| 2 | MS | 42 | Head of the Pinrang Regency Education and Culture Office |
| 3 | \mathbf{SW} | 44 | Head of the Mental Health Infectious Disease Prevention and Control Section |
| 4 | RM | 38 | Head of the Family Health and Community Nutrition Section |
| 5 | IS | 52 | Principal of SMP Negeri 8 Pinrang |
| 6 | BD | 40 | Principal of SMP Negeri 4 Tiroang |
| 7 | NH | 50 | Teacher of Counseling Guidance at SMP Negeri 8 Pinrang |
| 8 | RN | 30 | Teacher of Counseling Guidance at SMP Negeri 4 Tiroang |
| 9 | JN | 45 | Teacher of Cultural Arts and Works at SMP Negeri 8 Tiroang |
| 10 | IN | 30 | Teacher of Cultural Arts and Works Studies at SMP Negeri 4 Tiroang |
| 11 | DR. | 45 | NGOs and Community Leaders |
| 12 | TT | 41 | Parents of Students |

Source: primary data 2024

schools and agencies but also by the community and the role of parents directly involved with adolescents at home. Related to age, being in the productive age range is very likely to be able to do tasks and responsibilities related to each of the FGD participants

Qualitative Analysis (FGD Results)

The implementation of the FGD was carried out at the Azka Hotel, which was attended by representatives from the Pinrang Regency Health Office, the Pinrang Regency Education and Culture Office, the principals of SMP Negeri 4 and SPM Negeri and Pinrang Regency, counseling guidance teachers, NGOs, parents of students and community leaders. Based on the FGD, it is known that high stress in teenagers can also be influenced by several external factors outside the school environment, as stated by the following informant.

"... Teenagers who are stressed are not only a task, maybe from a cellphone....then the understanding of parents who lack... So we are very enthusiastic about how our friends from academics will help us, so this solution is how... If indeed this approach works... yes... please continue as well as possible..." RN 30

It is further explained as follows

"...then the management of the soul itself... So we hope this research... don't just be stressed. Incidentally, friends have not covered all the research on mental health because maybe the funds... budget... (SW, 44 years old)

On the other hand, the health offices, especially those dealing with mental health, have conducted screening, as explained by the following information.

"....so our activity is... Our target is two types in the Health Office... namely AAA....mental disorder screening for every teenager, namely 15-18 years old..." (NW, 45 years old)

In addition to the above, there are also explanations of respondents related to student confidence.

"One thing is very ordinary, but for a rare student, what shows confidence in public is already very extraordinary for them, so that's one of my suggestions, so there needs to be an increase in attention, recognition and affection for them..." (NH, 50 years old)

It is further explained as follows.

"Some students experience mental health disorders because they lack recognition; for example, those who are smart, sometimes we don't really care about them anymore because we think, Oh, they no longer need to be led because they can do it themselves because they are smart, even though they can do it themselves independently, a teacher should also pay attention to the smart students, especially those who are lacking..." (JN, 45 years old)

One of the teachers also explained mental health strategies as follows.

"... So related to how strategies to lower mental health disorders experience as a teacher... So before the beginning of the learning year, there was a name for a non-diagnostic assessment conducted by teachers about how their styles were..." (IS, 52 years old)

Furthermore, the BK teacher explained the role of a student as follows:

"... Understand that this is our job. This is where the main problem is actually because if we want to bring all the teenagers one by one every day at the end of that time... So I think this macrame art or maybe some activities make them work so that they forget the problem. Oh like this, they themselves know that this is hard to do. oh this is easy..." (RN, 30 years old)

Another BK teacher also explained this.

"... So actually, our announcement can make the smart adolescent stressed. First, for example, a smart adolescent gets a score of 95..while a mediocre adolescent gets a score of 80, this smart person must feel that if I get a score of 95, he gets 80 without. Maybe there is discrimination from the teacher why his grades are slightly different from his friends' grades, so actually we are the ones who make smart teenagers can be stressed." (NH, 50 years old)

Furthermore, the following is also explained

"... There are parents who tell me that their teenagers are difficult to give advice. When he gets home, his adolescent focuses on his cell phone; the reason is that his cellphone is on charge even though he is playing on the phone, so his job is always that he forgets to work because he is busy with his cell phone. Even though I always tell my teenagers that the parents are not angry but they want their teenagers to be good people" (NH, 50 years old)

It also further explains the parents' role and cooperation with the school.

"... We don't understand that actually the responsibility of their teenagers is in their hands, we are only entrusted with how many hours while those who are fully responsible. Now there are complaints about piled up tasks because, to be honest, we are also among those who actually have teenagers, sometimes our teenagers are at home, we don't ask today, there is homework, has been done or not." (TT, 41 years old)

The principal, as the coordinator of education implementation, also explained that the learning process at school is also greatly influenced by the role of the accompanying teacher.

"So I think thank God besides learning... Alhamdulillah, extracurricular activities are running, and we are very flexible for them; the teachers are also welcome to do their activities... So there may be factors from teachers who also assist..."

"Thanks to this kind of research, we are very helpful... so today's presentation, in our school there are a small number of people who experience stress levels... so, maybe I can read here during my stay in I teach... actually the student... Ee... we develop that out of interest..." (IS,52 years old)

At the end of the FGD, one participant also explained the output of *macrame* art that can be made into a work, which is described as follows.

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What is the level of success, can he measure that this is the level of stress that usually produces a work, for example in the form of a Rummus or how am I... Somewhat How, after we saw this earlier, I saw that this is the average Parent's work, yes... Especially housewives... In fact, I thought, why do we know that housewives must be very stressed..." (NW, 45 years old)

As an effort to control the risk of mental health disorders in adolescents, public health movements for the prevention of mental disorders have been carried out at the level of the health office, the education office, schools, and at the parent level. Based on the FGD with the Pinrang Regency Health Office in 2023, mental health screening in adolescents using the PSS questionnaire in urban areas. However, in the FGD, the Health Office said that limited access made it difficult to carry out screening in remote areas. So, the Health Office hopes that academics from universities can partner with the Health Office to reach mental health screening for adolescents in remote areas. This is expressed in the following expression:

"...Last year, we from the Health Office, especially in the health sector, have conducted mental health screening in adolescents in the city... such as in SMP 1 and SMP 5 using the PSS questionnaire, but our team has not reached the villages such as in the Tuppu area and mountainous areas... I hope that later, there will be cooperation with the campus to help us screen teenagers experiencing stress in villages..." (SW, 44 years old)

The movement to prevent mental health disorders is also carried out at the level of the Education Office. The Education and Culture Office of Pinrang Regency encourages the policy of implementing extracurricular arts in schools. Extracurriculars implemented in schools with policy encouragement from the Education Office are the art of arranging flowers. Meanwhile, the art of macrame as an extracurricular has never been applied in Pinrang. The Education Office revealed the opportunity to apply the art of macrame as a school extracurricular if it positively impacts the prevention of mental health disorders in school adolescents.

"... Later, after the team that came, they had conducted research by training teenagers,

especially students. There has been a change or decrease in the number of students who experience stress in this macrame art class. So, we can try to make this macrame art an extracurricular activity in addition to the flower arrangement art that has been done in schools in the last few years." (MS, 42 years old)

At the school level, the mental health disorder prevention movement is carried out in several forms of activities, such as collaborating with the health office to conduct assessments on students to capture and identify the risk of mental health disorders in students, conducting mental health education in counseling guidance, and holding outing classes. Outing class is a student learning activity outside the classroom that aims to increase student learning motivation. The school also revealed that there are restrictions on the use of smartphones for students as a form of reducing triggers for mental health disorders. This was revealed through an FGD with the school.

"... If we, the school, have conducted an assessment on students who are about to experience stress by conducting outing classes and prohibiting all our students from bringing their cellphones to school so they can focus on school" (IS, 52 years old).

Identification of efforts to prevent mental health disorders also involves the role of parents. Through school coordination, parents monitor the condition and progress of students while outside school as the following expression.

"... I, as a parent, always ask my adolescent when I am at home. Don't forget to do his homework after school so that his homework doesn't pile up; I also always invite my son to talk from the heart if there is a problem with his friends at school or there are other problems that he feels are at school" (TT, 41 years old)

Parents also build intense communication with students through school coordination with the deep talk method. This method aims to enable parents and schools to dig deeply and understand the mental state of students at school when carrying out the learning process and when outside of school.

DISCUSSION

Mental health disorders in students in schools are an issue that is gaining increasing attention due to its significant impact on students' academic, social, and emotional development. Some of the common mental health disorders in students, also based on the results of the FGD that have been described earlier, include depression characterized by prolonged feelings of sadness, loss of interest in daily activities, and decreased energy.

The results of the study showed that junior high school students in two schools in Pinrang Regency experienced mental health problems. It was found that 1.2 % of junior high school four students experienced severe stress. Clinically stressed at a severe level, students experience shaking hands and bodies and feeling worthless. Meanwhile, 27.1 % of students experienced moderate levels of stress. Moderate stress is characterized by anxiety disorders in the form of intense feelings of hopelessness with excessive feelings of anger. As many as 23.5 % were at a moderate stress level, while only 48.2 % of SMP 4 students were at normal stress. The picture of mental health disorders in students also occurred in SMP 8 Pinrnag students, namely 49.5 percent of junior high school students had normal stress levels, 25 % of students were at mild stress levels, 20.7 % of students experienced moderate stress, and as many as 3.8 % of SMP 8 students experienced severe stress. The condition of mental health disorders found in junior high school students in SMP 4 and SMP 8 Pinrang describes adolescents as a group that is vulnerable to the risk of mental health disorders.

Gintari et al., in a study conducted in Ubung Kaja Village, Denpasar, in 2023 related to mental health in adolescents, shows that there is an influence of characteristic factors on the occurrence of mental health disorders in adolescents (9). In America, Hoover and Bostic (21) concluded that young people spend about 15 000 hours in school by age 18. Hence, schools, de facto, are an important partner to the mental health system, which every day invests in developing each adolescent's social-emotional health and skills to cope with stress and adversity. Schools are an essential component of the mental

health system to ensure that all adolescents in the United States have access to a comprehensive set of mental health supports and to address the many limitations of the existing mental health system that too many students cannot access. Federal, state, and local investments in school mental health recognize this potential, and the multitiered system of support (MTSS) is now a regular part of the dialogue among educators. Systematic and efficient partnerships between schools and communities to support ongoing mental health support in schools can have a positive impact on mental health in schools, better mental health for all students as well as increased access to mental health services, early identification and intervention, and ultimately, better outcomes for students with mental health challenges. This approach includes natural support for students, including families and educators as team partners for teenagers and adolescents. It does not require a mental health system with a limited adolescent mental health workforce and limited resources (21).

Students who are depressed may have difficulty concentrating, their academic performance decreases, and they may become more withdrawn from society. In addition, anxiety often occurs in students with anxiety disorders who may feel excessively worried about various aspects of life, including academic performance, social relationships, or activities outside of school. This anxiety can lead to difficulty sleeping, fatigue, and physical strain. However, previous evidence indicates that anxiety disorders can also cause eating disorders. Disorders such as anorexia or bulimia can appear in students, especially in adolescents. This disorder is often associated with a negative body image and can lead to serious health complications.

Based on the results of the FGD that has been carried out, there are several important things to be used as a strategy in reducing mental health disorders in teenagers. The role of teachers and parents significantly influences the development of teenagers' health. Teachers are strategically positioned to observe student behavior, emotions, and academic performance changes. They can recognize early signs of mental health disorders such as decreased performance, withdrawal behavior, or aggressive behavior. Teachers can create a safe and inclusive classroom environment

where students feel welcome and supported. Teachers can also offer time to talk to students with problems and encourage and listen to their complaints. Teachers can teach students social-emotional skills, such as managing stress, developing confidence, and coping with problems. This education can be done through direct lessons or an integrated approach to other subjects. Teachers must work closely with school counselors, psychologists, or other mental health professionals to provide more in-depth support to needy students. They can also refer students to the service if needed. Teachers must communicate effectively with parents about the behaviors or changes they observe in teenagers at school. This allows parents to pay further attention to the home and seek professional help if needed.

The role of parents is no less important. Parents need to create a safe, stable, and loving home atmosphere. This includes providing quality time with teenagers, listening to them, and showing empathy for their feelings. Parents should be sensitive to changes in their adolescent's behavior, such as changes in sleep patterns, appetite, or changes in social relationships. Recognizing the early signs can help with faster treatment. Parents can support teenagers by allowing them to talk about their feelings without fear of being judged. This is important for building trust and openness in the family. If parents notice signs of mental health disorders in their teenagers, they should immediately seek help from a professional such as a psychologist or counselor. Early intervention is very important in the management of mental health disorders. Parents must work closely with teachers and staff to ensure their adolescents receive consistent support at school and home. This includes attending meetings with teachers, following the adolescent's progress at school, and providing important information about the adolescent's condition to the school. Parents need to continue to learn about mental health, especially related to teenagers and adolescents. This can help them understand what the adolescents may be going through and how best to help.

Teachers and parents need to align on the pace in their approach to teenagers's mental health. A consistent approach between home and school will help teenagers feel safe and supported in both environments. Open and honest communication between teachers and parents is

essential. This allows for effectively exchanging information regarding the adolescent's condition and treatment strategies.

Apart from integration between teachers and parents, it is also necessary to introduce art activities such as macrame art activities, which combine knot art and creativity, providing an opportunity for students to focus and escape for a moment from the external pressure they feel. In rural areas, students may not have many activities that provide room for creativity and relaxation, so these arts programs serve as an important outlet for self-expression. Macrame art not only provides a fun experience but also helps students develop problem-solving skills and improve mental calm through a learning process that is repetitive and requires concentration (22). Liu et al. (23) provide strong evidence that creating art has the potential to foster positive personal development and significantly reduce stress levels among students. These factors may also help students respond better to arts-based interventions, which often help reduce stress levels through quiet processes of meditation and reflection. This shows how important it is to provide arts-based programs in urban and rural schools, which not only improve students' skills but also help reduce the mental stress they may feel.

CONCLUSION

Active involvement and collaboration between teachers and parents are also very important in providing holistic support for children who experience mental health disorders. Introducing macrame art class activities in schools is one program to reduce mental health disorders experienced by teenagers so that children will be more likely to overcome the challenges they face and achieve better prosperity.

SUGGESTION

It is important to develop research related to mental health disorders in students by looking at factors in the family environment and the environment in which the adolescents live, as a development of the research that has been carried out.

ETHICS APPROVAL AND CONSENT TO PARTICIPATE

This study was conducted according to the guidelines in the Declaration of Helsinki. All procedures involved in this research study participants were approved by the Ethics Committee of Universitas Muslim Indonesia and YW-UMI Hospital with No. register; UMI012406351. In addition, written informed consent was gained from all subjects.

Consent for publication: Not applicable.

Competing interests: The authors declare no competing interests.

Funding: The authors have a specific grant from the Directorate General of Higher Education, Ministry of Education and Culture of the Republic of Indonesia (DRTPM-DIKTI).

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