The Effect of The Application of Gardening Modality Therapy on The Quality of Life of The Older People

By Ariesti et al

Original Research Article

THE EFFECT OF THE APPLICATION OF GARDENING MODALITY THERAPY ON THE QUALITY OF LIFE OF THE OLDER PEOPLE

Ellia Ariesti1*, Emy Sutiyarsih1, Anastasia Sri Sulartri1

¹Prodi D3 Keperawatan, STIKes Panti Waluya Malang, Indonesia

*Correspondence:

34 A Ariesti
STIKes Panti Waluya Malang
Jalan Yulius Usman No. 62 Malang,
Jawa Timur 65117, Indonesia
Email: elliasisterspwm@gmail.com

Article Info:

Received: September, 24th, 2024 Revised: November, 4th, 2024 Accepted: November, 8th, 2024

DOI:

https://doi.org/10.36720/nhjk.v13i2.680

Abstract

Background: Humans experience the natural process of aging. The most important stage is in the old or elderly stage, where a person naturally experiences capes and decreases in conditions from physical, social, psychosocial. One way to optimize the cognitive function of the elderly is to use modality therapy. One type of modality therapy is gardening, gardening activities can provide opportunities for the elderly to do physical roll, release physical energy and emphasize physical movements.

Objectives: This study aimed to analyze the effect of the application of gardening modality therapy on the quality of life of the older people in Puskesmas Tajinan Malanagae gency.

Methods: The design used quasi-experimental with one group pre-posttest design. The population in this study were all old people who participated in prolanis activities and were aged > 50 years totaling 48 people. This research was conducted for one month. Measurement of the quality of life of the elderly used the WHOQOL-BREF questionnaire, while for the measurement of garden 12 therapy used an observation sheet. Data analysis was carried out using the statistical test used was the Wilcoxon Test with α 0.05.

Results of bivariate analysis using the Wilcoxon test show that the P value is 0.317 > 0.05, which means that there is no signific 10 effect of providing gardening modality therapy 2 times per week on the quality of life of the older people, what the provision of gardening modality therapy 3 times per week on the quality of life of the older people the results of biv 25 te analysis using the Wilcoxon test show that the P value is 0.00(44; 0.05, which means there is a significant effect.

Conclusion: The effect of gardening 15 rapy on the quality of life of the elderly can be used as an alternative to improve the quality of life of the elderly, because gardening can make the elderly more productive, the elderly can also be a stimulation for the elderly to socialize and do physical activity.

Keywords: Gardening, Modality Therapy, Older people, Quality of Life

© 2024 The Authors. Nurse and Health: Jurnal Keperawatan Published by Institute for Research and Community Service - 17 In Polytechnic of Kerta Cendekia
This is an Open Access Ar 6 distributed under the terms of the Creative Commons Attribution — NonCommercial 4.0 (CC BY-NC)4.0) which allow others to remix, tweak, and build upon the work non-commercial as long as the original work is properly cited. The new creations are not necessarily licensed under the identical terms.

E-ISSN

2623-2448

P-ISSN

2088-9909

INTRODUCTION

Older people are a person who has reached the end of life with an age that has reached the age of 60 years and above. The World Health Organization (WHO) says that the older people are divided into three groups, and age, those aged 60-74 years are included in old age, those aged 75-90 years are included in old age, while those aged more than 90 years are included in very old age. (Utami et al., 2021).

Along with the increase in the number of older people people, the percentage of older people people with health problems is also increasing. The young older people population (60-69 years) at this age experienced health complaints around 46.16%, increasing to 51.78% in the middle older people (70-79). And 51.50% in the older people (80+). This means that almost half of the older people experience both physical and psychological health complaints (48.14%). Even so, the older people morbidity rate in 2020 is the lowest point during the last six years (BPS, 2020).

In general, older people disease is a type of degenerative non-communicable disease caused by age. Usually, diseases experienced by the older people are heart disease, stroke, diabetes, rheumatism and injury (Ministry of Health, 2018). These diseases are chronic diseases with high medical costs. If not cured, it will cause disability or disability which results in disruption of all daily activities carried out by the older people (Sari & Susanti, 2017).

The quality of life of the older people describes the superiority of a person judged by the ability to make meaning of life, these advantages can be seen in, interpersonal relationships, life goals, personal development, personal control, intelligence, and material conditions (F₁₀ ari et al., 2018). There are four domains in the 20 ality of life of the older people. Namely: physical, psychological, social and environmental domains (WHOQOL,

2004). The quality of life of the older people should be an important concern for health workers because it can be used as a reference for the success of actions, interventions or treatments, and aff 46 the welfare of the older people (Hayulita et al., 2018). In addition, quality of life is a functional state of the older people in the maxing m or optimal phase, which allows them to enjoy their old age with meaning, happiness, and quality. if the quality-of-life decreases, it will have an impact on the morbidity and mortality rates of the older people which are increasing (Anggraini, 2017).

The elderly can be categorized as a vulnerable population if they do not meet enabling factors such as housing, health insurance, and health facilities and services. In addition, reinforcing factors such as family and social support also play a role. This puts the elderly at higher risk of poor health. In the elderly there is a decrease in fitness and physical fitness, or for the causes is a lack of physical activity. One way to optimize the cognitive function of the elderly is to use modality therapy. Modality therapy is a form of supportive psychotherapy in the form of activities that generate independence manually, creatively and educationally for self-adjustment to the environment and improve the patient's physical and mental health status (Hilda fauziah, 2016).

Modality therapy aims to develop, maintain, restore function and or seek compensation/adaptation for daily activities, productivity and leisure through training, stimulation remediation and facilitation. Modality therapy improves an individual's ability to perform activities of daily living. One type of modality therapy is gardening, gardening activities can provide opportunities for the older people to do physical activity, release physical energy and emphasize physical movements (Wells & Nancy, 2014). Beetlestone (2012) states that gardening has very real benefits for physical development,

which in turn will affect creative development. When gardening, a person will have plenty of gace to move and exercise their body with large-scale movements such as digging, scratching, running and bending.

Gardening therapy is a mind-body psychotherapy approach. When based compared to verbal therapy, art therapy makes the elderly more able to express feelings at the sensory and kinesthetic levels. In contrast to verbal therapy, which expresses feelings at the affective and cognitive levels (Sari, 2021). Gardening therapy can help clients to engage in the process of farming. This physical activity can release physical tension and help reduce stress, anxiety, and feelings of helplessness (Hidayati, 2013). Gardening therapy is a form of active therapy that is part of patient care that can improve body health, and is one of the nonverbal psychotherapeutic approaches that has received a lot of attention because of its effectiveness in overcoming loneliness (Paramitha, 2021).

From the population pyramid Tajinan sub-district in 2023, it is found that the age group of 35-39 years and 25-29 years is the highest age group, meaning that it can be said that the age group includes productive age. While the lowest age group is at the age of 70-74 years and 75 years and above, it can be said that the life expectancy in the Tajinan Health Center working area is still low. So it can be concluded that the Puskesmas working area still needs comprehensive public health efforts, starting from promotive, preventive, curative and rehabilitative periodically to achieve optimal public health status. The government has launched a program that has begg implemented by the Puskesmas, namely the Disease Management Program (Prolanis) is a health service system and a proactive approach and a proactive approach are olving participants, health facilities and BPJS. At the Tajinan Health Center, Prolanis activities are carried out once a week every Friday. The older people who come around 30 older people people and

most of the older people who suffer from hypertension and DM.

Objective(s): to explore the effect of the application of gardening modality therapy on the quality of life of the older people in the Prolanis group of the Tajinan Health Center, Malang Regency.

METHODS

Study Design 11

The design used in this research is Quasi-experimental with One group pre - post test design. In this design there is no comparison group (control), but at least the first observation (pretest) has been made which allows testing changes that occur after the experiment.

Setting

This research was conducted in the working area of Tajinan Health Center Malang Regency in May-June 2024.

Researc Subject

The population in this study were all gar people people who participated in prolanis activities at the Tajinan Health Center, Malang Regency as many as 30 people with the criteria age ≥ 50 years, willing to be respondents, were in place when the research was carried out, older people people who were still able to do activities and did not experience hearing loss and senile dementia.

In determining the sample size, researchers used total sampling. Total sampling is a sampling technique where the number of samples is the same as the population. The reason for taking total sampling is because the population is less than 100. So, the number of samples in this study was 30 people.

Instruments

The research instrument used was a WHOQOL-BREF questionnaire with a Likert scale in the form of 26 questions. In this study using a standardized questionnaire, the validity test was not carried out again.

Intervention

The intervention in this study was a gardening technique using the Wick system, using used mineral water bottles (Lubis, 2014). The type of vegetables planted are sweet mustard seeds or caisim because the planting time is fast and easy to maintain. The older people do gardening in groups and plant together.

Data Analysis

The analysis was carried out in three stages, the first stage was univariable analysis. In this analysis, the research variables were analyzed descriptively to obtain an overview of the frequency distribution of respondents. The second stages is bivariate analysis to determine the effect of the independent variable on the dependent variable. To analyze the effect of the application of gardening modality therapy on the quality of life of the older people in the Prolanis group of Puskesmas Tajinan Malang Regency using bivariate applysis processing using SPSS 16.0 software. The statistical test used was Wilcoxon test with a 0.05. Data or variables contain categorical scale (ordinal) Wilcoxon test is a test to find the effect between pre and post intervention.

Ethical Consideration

The research has received ethical approval from the Komite Etik Penelitian Kesehatan Universitas Hafshawaty Zainul Hasan, based on ethical certificate 079/KEPK-UNHASA/VI/2024.

Respondents who are willing to participate in this study sign informed consent of their own volition without coercion from any party. This research did not bring harm to respondents. Respondents could withdraw from the study when they felt insecure during the study process.

RESULTS

General data in this study is data related to patient characteristics including age, occupation, education, and marital status. The results of the analysis related to general data are as follows:

Table 1. Frequency Distribution related to Respondent Characteristics

	470	dality Tł	erapy Gardening		
Variables		nes per veek	3 time	es per week	
	n	%	n	%	
Age					
50-55 Years	1	12,5	3	13,6	
56-60 Years	5	62,5	6	27,3	
61-65 Years	0	0,0	7	31,8	
66-70 Years	0	0,0	3	13,6	
71-75 Years	2	25,0	1	4,5	
76-80 Years	0	0,0	2	9,1	
Jobs	1	12.5	0	0,0	
Not Working	4	50,0	8	36,4	
Housewife	1	12,5	1	4,5	
Farm Laborer	2	25,0	13	59,1	
Farmers					
Education	4	50,0	16	72,7	
Elementary	3	37.5	6	27,3	
Intermediate	1	12,5	0	0.0	
Higher					
Marital Status	3	37.5	8	36,4	
Widow/Widower	5	62,5	14	63,6	
Married					

Based on Table 1, it can be seen that the characteristics of respondents based on age show that in the group of respondents given gardening therapy 2 times per week most of them are between 56-60 years old, as many as 5 people (62.5%), while in the group of respondents given gardening therapy 3 times per week most of them are between 61-65 years old, as many as 7 people (31.8%). Based on occupation, it shows that in the group of respondents given gardening therapy 2 times per week, half of them work as housewives, namely 4 people (50.0%), while in the group of respondents given gardening therapy 3 times per week most of them work as farmers, namely 13 people (59.1%). Based on the level of education, it shows that in the group of respondents who were given gardening therapy 2 times per week, half of them had a primary level education, namely 4 people (50.0%), while in the group of respondents who were given gardening therapy 3 times per week most of them had a primary level education, namely 16 people (72.7%). Based on marital status, it shows that in the group of respondents given gardening therapy 2 times per week, most of them are married, namely 5 people (62.5%), while in the group of respondents given gardening therapy 3 times per week most of them are also married, namely 14 people (63.6%).

Special data in this study are data related to the quality of life of the older people between before and after being given the intervention both in the group given gardening therapy 2 times a week and the group given gardening therapy 3 times a week. The results of the analysis are as follows:

Table 2. Frequency Distribution Related to
The Quality of Life of The Older People
Before Being Given Gardening Modality
Therapy

011	Modality Therapy Gardening				
Older people Quality of Life	2 times per week		2 times pe week		
	n	%	n	%	
Before Therapy					
Less	0	0,0	0	0,0	
Enough	4	50,0	17	77,3	
Good	4	50,0	5	22,7	

Based on table 2, it can be seen that the quality of life of the older people before being given an intervention in the form of gardening modality therapy that in the group given gardening therapy 2 times a week each had a quality of life in the moderate category as many as 4 people (50.0%) and a good category as many as 4 people (50.0%) and in the group given gardening therapy 3 times a week almost

all had a quality of life in the moderate categor anamely 17 people (77.3%).

Based on table 3, it can be seen that the quality of life of the older people after being given an intervention in the form of gardening modality therapy that in the group given gardening therapy 2 times a week almost all have a quality of life in the good category, namely as many as 6 people (75.0%) and in the group given gardening therapy 3 times a week all respondents have a quality of life in the good category, namely 22 people (100.0%).

Table 3. Frequency Distribution Related to Older People Quality of Life After Being Given Gardening Modality Therapy

Older people	Modality Gardening		Therapy	
Older people Quality of Life	2 times per week		2 times per week	
	n	%	n	%
After Therapy				
Less	0	0,0	0	0,0
Enough	2	25,0	0	0,0
Good	6	75,0	22	100,0

In order to determine the effect of gardening modality therapy on the quality of life of the older people, researchers conducted a bivariate analysis test using the Wilcoxon test. The results of the bivariate analysis test are as follows:

Table 4. Results of Bivariate Analysis of the Effect of Gardening Modalities Therapy with Older people Quality of Life

Providing Gardening Therapy	Neg. Ranks	Pos. Ranks	Ties Value	P _{value} (Wilcoxon Test)
2 times per	1	3	4	0,317
week				
3 times per	0	17	5	0,000
week				

Based on table 4, it can be seen that after being given gardening therapy, the group

given gardening therapy 2 times per week shows a negative ranks value of 1, which means that there is only 1 respondent who has a decrease in quality of life, a positive ranks value of 3, which means that there are 3 respondents who have an increased quality of life, a ties value of 4, which means that there are 4 respondents who have a fixed quality of let, namely no decrease or increase. In addition, the results of bivariate analysis using the Vilcoxon test show that the P value is 0.317 > 0.05, which means that there is no significant effect of giving gardening modality therapy 2 times per week on the quality of life of the older people, in the group given gardening therapy 3 times per week shows a negative ranks value of 0, which means that none of the respondents have a decreased quality of life, a positive ranks value of 17, which means that there are 17 respondents who have an increased quality of life, a ties value of 5, which means that there are 5 respondents who have a fixed quality of look, namely no decrease or increase. In addition, the results of bivariate analysis using the Wilcoxon test showed that the \overline{P} value of 0.0001 <0.05, which means that there is a significant effect of providing gardening modality therapy 3 times per week on the quality of life of the older people.

DISCU SION

Based on the results of the analysis, it can be seen that after being given gardening therapy, the group given gardening therapy 2 times per week shows a negative ranks value of 1, which means that there is only 1 respondent who has a decrease in quality of life, a positive ranks value of 3, which means that there are 3 respondents who have an increase in quality of life, a ties value of 4, which means that there are 4 respondents who have a permanent quality of life, nangly no decrease or increase. In addition, the results of bivariate 13 alysis using the Wilcoxon test show that the P value is 0.317> 0.05, which means that there is no significant effect of providing gardening

modality therapy 2 times per week on the quality 23 ife of the older people.

Based on the results of the analysis, it can be seen that after being given gardening therapy, the group given gardening therapy 3 times per week shows a negative ranks value of 0, which means that none of the respondents have a decrease in quality of life, a positive ranks value of 17, which means that there are 17 respondents who have an increase in quality of life, a ties value of 5, which means that there are 5 respondents who have a permanent quality of life, namely no decrease or increase. In addition, the regots of bivariate analysis using the Wilcoxon test showed that the Pvalue of 0.0001 <0.05, which means that there is a significant effect of providing gardening modality therapy 3 times per week on the quality of life of the older people. With gardening activities can improve spirit, body health, and quality of life in general, so that the more often you do this gardening activity, the quality of life of the elderly is also expected to increase.

According to Habibullah (2018) that gardening therapy can relax the mind because breathing fresh air or touching the soil will provide new experiences, the mind will be much more relaxed. Even without realizing it beforehand, this activity relaxes the mind. A study revealed that people who spend time gardening tend to have lower stress levels.

This environmental therapy gardening focuses the attention of the older people on contitions or problems that can trigger stress that can affect the quality of life of the older people. In addition, when doing gardening therapy, the older people are in direct contact with the soil, this soil has an effect on the brain which has an effect as an antidepressant so that it can improve mood. Bacteria in the soil can make neurons in the brain produce the hormone serotonin which is responsible for making the older people feel happy (Beo et al., 2022). The hormone serotonin is released after the formation of active alpha waves, where when this wave emanates a feeling of calm, comfort and happiness, this wave emanates or glows when the body is in a very quiet and calm situation as is done in environmental therapy in this case the older people focus on caring for plants (Raharjo, 2020).

Relaxation itself is one of the management techniques based on the workings of the sympathetic and parasympathetic nervous systems. This relaxation can inhibit the stress experienced by the older people so that it makes the older people relaxed and calm. In the autoregulation mechanism when the older people are relaxed, it can stimulate the endorphin hormone (Magdaria, 2017). The release of endorphins is useful for producing feelings of joy or pleasure after doing certain activities and producing positive energy so that there is a suppression of the secretion of the hormone cortisol which increased earlier due to stress (Making et al., 2022).

CONCLUSION

There is a significant effect of providing gardening modality therapy 3 times per week on the quality of life of the older people. With gardening activities can improve spirit, body health, and quality of life in general, so that to more often you do this gardening activity, the quality of life of the elderly is also expected to increase.

SUGGESTIONS

Gardening mosality therapy can be one of the therapies used to improve the quality of life of the older people, with gardening time that can be done more than 3 times a week.

ACKNOWLEDGMENT

Thank you to STIKes Panti Waluya Malang, Puskesmas Tajinan Malang Regency and the older people who participated in prolanis activities at Puskesmas Tajinan Malang Regency.

27 DECLARATION OF CONFLICTING INTEREST

The authors declared that they have no conflict of interest.

FUNDING

This research was supported by STIKes Panti Waluya Malang.

AUTHOR CONTRIBUTION

Ellia Ariesti: Arrange research implementation, conduct literature review, collect data, compile manuscripts.

Emy Sutiyarsih: Collect data, analyzing data, compiling manuscripts.

Anastasia Sri Sulartri: Collect data and analyzing data.

ORCID

Ellia Ariesti: None

Emy Sutiyarsih: None

Anastasia Sri Sulartri:

https://orcid.org/0000-0002-0718-5189

REFERENCES

Anggraini, D. (2017). Faktor-faktor yang berhubungan dengan kualitas hidup lansia di Panti Werdha Wilayah

Tangerang Selatan. 287–304.

Badan Pusat Statistik (BPS). (2020). Statistik
Penduduk Lanjut Usia. (Survey Sosial
Ekonomi Nasional). Jakarta: Badan

Pusat Statistik

Beetlestone, F. (2012). Creative Learning:
Strategi Pembelajaran untuk
Melesatkan Kreatifitas Siswa.

Bandung: Nusa Media.

Beo, Y. A., Zahra, Z., Dharma, I. D. G. C., Alfianto, A. G., Kusumawaty, I., Yunike, Eka, A. R., Endriyani, S., Permatasari, L. I., Widniah, A. Z., Dewi, C. F., Nuryati, E., Faidah, N., Suniyadewi, N. W., Martini, S., & Sinthania, D. (2022). Ilmu 40 perawatan Jiwa dan Komunitas. Media Sains Indonesia. https://www.google.co.id/books/edition/Ilmu_Keperawatan_Jiwa_dan_Komunitas/JnRb

EAAAQBAJ?hl=id&gbpv=0

Ekasari, M. F., Riasmini, ni M., & Hartini, T. (2018). Meningkatkan Kualitas Hidup Lansia Konsep dan Berbagai Intervensi. Wineka Media

Habibullah, M. (2018). Pengaruh Terapi Modalitas Berkebun Terhadap Kualitas Hidup Lansia Hipertensi Diposyandu Desa Pelem Kecamatan Karangrejo Kabupaten Magetan. Stikes Bhakti Husad Mulia Madiun, Magetan.

Hayulita, Sri, A., & Sari, A. N. (2018). Faktor
Dominan yang berhubungan dengan
Kualitas Hidup Lansia. Afiyah, 1(2),
42–46.

Haller, Kramer, C.L, "Horticukture as Pratice; Principles and Practice", (CRC Press, 200(11)

Kemenkes. (2018). Profil Kesehatan Indonesia 2018 (K. Rudi, Yudianto, B. Hardhana, & T. 12 vanti (Eds.); Vol. 1227, Issue July). Kementrian Kesehatan Republik Indonesi. https://doi.org/10.1002/qj Magdaria, K. (2017). Hubungan Pengetahuan tentang Kesehatan dan Kesehatan Kerja dengan Perilaku Tidak Diinginkan Pada Perawat Di Ruang Rawat Inap RSKD Duren Sawit Jakarta. Skrispi Kesehatan Masyarakat Univers 22 Esa Unggul.

Making, M. A., Gultom, A. B., Rosauling, M.,
Toru, V., & Banase, E. F. (2022).
Perawatan Luka dan Terapi
Komplementer. Bandung: Media Sains
Indonesia.

Raharjo, S. (2020). Golden Rules To Better Life. Bogor: Guepedia.

Sari, M. T., & Susanti. (2017). Gambaran Kualitas Hidup Lansia Di Panti Sosial Tresna Werdha Budi Luhur Dan Lansia Di Kelurahan PAAL V - Kota Jambi. Juma Ilmiah Universitas Batanghari Jambi, 17(2), 178–183.

WHO. (2004). WHO Quality Of Life Bref.
Geneva: World Health Organization.

Wells & Nancy. (2014). School Gardens grow kids' physical activity. Human Ecology. 42 (1).

Cite this article as: Ariesti, E., et al. (2024). The Effect of The Application of Gardening Modal Therapy on The Quality of Life of The Older People. Nurse and Health: Jurnal Keperawatan, 13 (2), 218-225. https://doi.org/10.36720/nhjk.v13i2.680

The Effect of The Application of Gardening Modality Therapy on The Quality of Life of The Older People

\cap	RΙ	GI	N	ΔΙ	_TT\	/ F	ΣF	$P \cap$	RT	

2	2	%
SIMII	ARITY	

	22% SIMILARITY INDEX				
PRIMA	ARY SOURCES				
1	Elok Triestuning. "PENGARUH SENAM OTAK TERHADAP PENINGKATAN SHORT TERM MEMORY PADA LANSIA", Nurse and Health: Jurnal Keperawata Crossref	56 words — 1 9 an, 2019	6		
2	repository.unjaya.ac.id Internet	47 words — 1 %	6		
3	journals.ubmg.ac.id Internet	43 words — 1 9	6		
4	www.researchgate.net Internet	39 words — 1 %	6		
5	thejnp.org Internet	35 words — 19	6		
6	myscholar.umk.edu.my Internet	34 words — 1 %	6		
7	ejournal.unklab.ac.id Internet	33 words — 1 %	6		
8	Permata Ashfi Raihana, Mutiya Indahsari, Safina Salsabilla. "Meningkatkan Kesehatan Mental dan Fisik pada Lansia", Abdi Psikonomi, 2021 Crossref	32 words — 1 %	6		

9	assets-eu.researchsquare.com Internet	32 words — 1%
10	www.ncbi.nlm.nih.gov Internet	30 words — 1 %
11	ejurnalmalahayati.ac.id Internet	29 words — 1%
12	Fachry Amal, Flora Niu. "BUKU SAKU SEBAGAI MEDIA PENGETAHUAN PENCEGAHAN HIV/AIDS PADA IBU HAMIL", GEMA KESEHATAN, 2020 Crossref	28 words — 1 %
13	Nanik Dwi Astutik, Sr. Felisitas. "Factors Influence Risk of Dementia in Elderly", Jurnal Ners dan Kebidanan (Journal of Ners and Midwifery), 2020 Crossref	28 words — 1%
14	Lusiana Gultom. "The Effectiveness of Adolescent Reproductive Health Education on Attitude in Facing Pre Menstrual Syndrome in Students of Class X OTKE 1 Binjai in 2018", Aksara: Jurnal Ilmu Pendidikan Non 2022 Crossref	
15	repository.urecol.org Internet	25 words — 1%
16	Paul A. Schutz, Krista R. Muis. "Handbook of Educational Psychology", Routledge, 2023 Publications	24 words — 1%
17	I Wayan Mustika, Ketut Sudiantara, Agus Sri Lestari. "Health Education With Audiovisual Media and Relaxation Massage in Lowering Blood Pressure and	23 words — 1 % Improved

Sleep Quality for the Elderly", Open Access Macedonian Journal of Medical Sciences, 2021

Crossref

Crossref

18 journal.umpo.ac.id

23 words — **1%**

Nanik Dwi Astutik, Yustina Emi S., Eli Lea
Purwandhani. "PELATIHANKADER LANSIA DALAM

UPAYA PEMELIHARAAN FUNGSI KOGNITIF LANSIA MELALUI
SENAM OTAK", SELAPARANG: Jurnal Pengabdian Masyarakat
Berkemajuan, 2023

Tri Ani Marwati, Nur Aini Kusmayanti, Rosyidah Rosyidah. "Quality of Life Among Diabetes

Mellitus Patients in Indonesian Chronic Disease Management Program (Prolanis)", Epidemiology and Society Health Review (ESHR), 2022

Crossref

repositori.uin-alauddin.ac.id

 $_{21 \text{ words}} - < 1\%$

repository.unhas.ac.id

 $_{20 \text{ words}} = < 1\%$

Mariyani Mariyani, Sofjan Aripin, Darmanto Darmanto. "Influence of HR Competence and Organizational Culture on Employee Performance in the Regional Financial and Asset Board of Paser Regency", International Journal of Community Service & Engagement, 2023

conference.unsoed.ac.id

Crossref

18 words — < 1%

25	journal.iaisambas.ac.id Internet	18 words — < 1 %
26	repository.um-surabaya.ac.id Internet	17 words — < 1 %
27	cyberleninka.org Internet	15 words — < 1 %
28	thejhpb.com Internet	15 words — < 1 %
29	digilib.ui.ac.id Internet	14 words — < 1 %
30	jurnal.fkip.uns.ac.id Internet	14 words — < 1 %
31	www.atlantis-press.com Internet	14 words — < 1 %
32	Donal Nababan, Rulihta Sembiring, Daniel Ginting. "Determinants of diabetes in prolanis patients", Jurnal Aisyah: Jurnal Ilmu Kesehatan, 2 Crossref	13 words — < 1 % 2023
33	baadalsg.inflibnet.ac.in Internet	11 words — < 1 %
34	jacips.machung.ac.id Internet	11 words — < 1 %
35	repository.unej.ac.id Internet	11 words — < 1 %
36	Syuichi Tetsuka. "Depression and Dementia in Older Adults: A Neuropsychological Review",	10 words — < 1 %

Aging and disease, 2021

	Crossref		
37	brieflands.com Internet	10 words — <	1%
38	ijstm.inarah.co.id Internet	10 words — <	1%
39	ojs.pnb.ac.id Internet	10 words — <	1%
40	repository.unmuhjember.ac.id Internet	10 words — <	1%
41	Apriyani Puji Hastuti, Dina Nurpita Suprawoto, Ratna Roesardhyati, Ardhiles Wahyu Kurniawan, Domingos Soares, Rif'atul Fani. "Family Empower Fullfillment Nutrition in Stunted Children", Babali Research, 2024 Crossref		1%
42	Rochana Ruliyandari, Bambang Purwanto, AA Subiyanto, Suwarto Suwarto. "Implementation of social security chronic disease management prog yogyakarta", International Journal of Health Scient Technology, 2021 Crossref	ram in	1%

43	ebsina.or.id Internet	9 words $-<1\%$
44	jurnalkeperawatanglobal.com Internet	9 words — < 1%
45	pdfcookie.com Internet	9 words — < 1 %



ijomeh.eu
8 words — < 1%

medicahospitalia.rskariadi.co.id
Internet

8 words — < 1%

EXCLUDE QUOTES OFF EXCLUDE SOURCES OFF
EXCLUDE BIBLIOGRAPHY OFF EXCLUDE MATCHES OFF