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**during 2023 AUA Academic Conference on Public Health Resilience in the
COVID-19 Pandemic Faculty of Public Health UI Science Festival (SciFes)**

February 12 - 13, 2023

Dean of FPH UI,



Prof. dr. Mondastri Korib Sudaryo, M.S., D.Sc.



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2023 AUA Academic Conference
on Public Health Resilience in the COVID-19 Pandemic
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**Traditional Karungut Music as Health Information Media for COVID-19
Transmission Blocking among the Dayak Ngaju Population**



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Introduction

- ❖ The transmission of COVID-19 has been occurring since 2019 until the present, including among the **Dayak Ngaju** population, the largest Dayak ethnic subgroup in Central Kalimantan.
- ❖ *Karungut* music is one of the traditional arts of the Dayak Ngaju Tribe.
- ❖ It is poetry sung in the Ngaju language accompanied by lute-like musical instruments and is currently experiencing a decline in popularity among young people.

Based on census results, represents 18.02% of the entire indigenous population, and their geographical distribution is quite broad.



IR of COVID-19 among Dayak Ngaju People: 6924/100.000



The results of a preliminary study conducting interviews with Dayak Ngaju people living in Kapuas Regency about preventing the transmission of COVID-19.



70% did not know about the recommended preventive behavior for COVID-19



Further investigation

71.4% said they needed help understanding or even seemed to not care about the information

Various efforts have been carried out to prevent the spread of COVID-19. In health promotion, various methods and health media have also been used.

The spread is still happening

Handling an outbreak of a disease, including COVID-19, must be carried out with a sociocultural approach that takes local wisdom in a specific area into consideration, especially for those in that area¹.

The Study Aims:

to develop *Karungut* music containing health information on preventing COVID-19 transmission and analyzing its effects on changing the knowledge of the Dayak Ngaju people.

¹Nugraha, A. S. (2020). Kearifan Lokal dalam Menghadapi Pandemi Covid-19: Sebuah Kajian Literatur. *Sosietas Jurnal Pendidikan Sosiologi*, 10(1), 745-753.

Method



Study Design

- ❖ This research adopts a social humanities perspective with an empirical approach that implements the traditional art of Karungut as a form of health education media directed at the Dayak Ngaju people.
- ❖ The Data analyzed quantitatively.
- ❖ One-group pre-posttest design combined with a one-shot case study



Data Source and Collecting Technic

Data collection on the level of knowledge on the prevention of COVID-19 transmission was carried out using a questionnaire.



Study Subject

- ❖ Members of the Dayak Ngaju community of Kapuas Regency, Central Kalimantan Province, who are the city's original inhabitants.
- ❖ Sample size: 34 people
- ❖ Taken by using a quota sampling technique





Study Procedures

1. *Karungut Music Art Development Design*

Identification

Adjusted word for word

Synchronizing both the music and poetry

Recordings

3. *Evaluation of Respondents' Knowledge Level Before and After Implementation*

Evaluation of respondents' knowledge levels was carried out before and after the performance of the *Karungut* art development music

2. *Implementation of Karungut Music Art Development*

a pre-test was conducted

Presented to the respondents once

a post-test was conducted



Data Analysis

- ❖ Using paired sample t-test, which before had previously tested for normality.
- ❖ Calculate the gain (increase) of knowledge

Results & Discussion

Table 1. The composition of *Karungut* musical poetry containing messages intended to prevent the spread of COVID-19

Rhymes	Contents of Poetry
1 and 2	Opening
3	Advice to use masks
4	Maintain distance/social distancing
5	Remind each other to cooperate and look after one another so that the pandemic will pass quickly
6	Comply with government advice to carry out complete vaccinations
7 and 8	Let us take care of each other to avoid COVID-19
9	Cultivating a healthy culture
10 and 11	Closing

Karungut poetry traditionally contains messages reflecting the value of character education and good behavior in society.²

A community will more quickly accept any health messages conveyed if they are presented in an audio-visual (video) format.³

²Arniansyah, S., Andayani, & Widodo, S. T. (2018). Nilai Pendidikan Karakter dalam Syair *Karungut* Dayak Ngaju. *Aksara*, 3(2), 25-39.

³Yosendha, T. O., & Widati, S. (2016). Pengembangan media promosi kesehatan tentang keselamatan berkendara sepeda motor pada siswa SMA. *Jurnal Promkes*, 4(2).

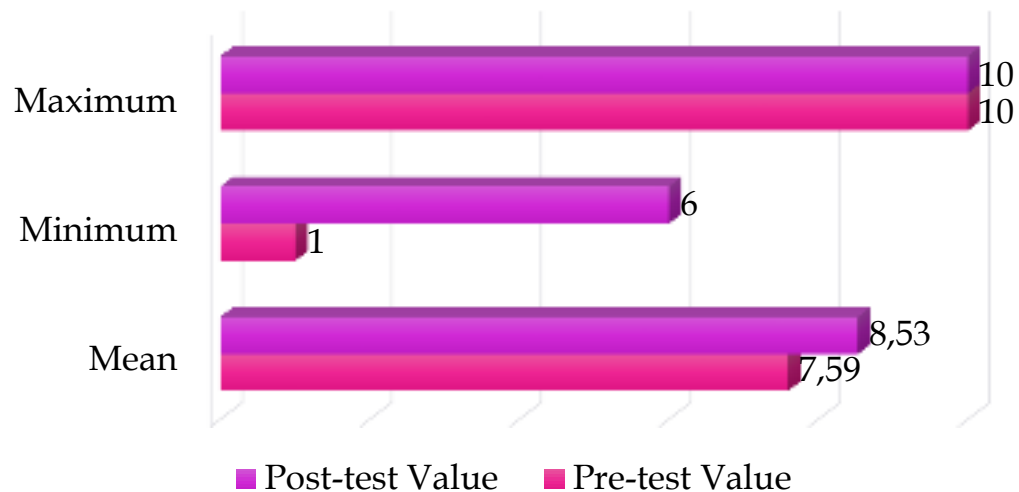


Figure 1. Respondents' Pre-Test and Post-Test Results

Based on the calculation results, the gain or change in knowledge about preventing transmission of COVID-19 based on the average score of the pre-test and post-test obtained an average value of $g = 0.39$ or an increase in knowledge in the “medium” category.

During a formative period, someone will be more accessible and willing to accept an innovative product. In addition to that is the level of education, where the higher the level of education, the higher the motivation, absorption, and ability to accept innovation from outside.⁴

⁴Risna, A. I., & Heni R, S. (2019). Efektifitas Peningkatan Pengetahuan Petani Penangkar Melalui Kegiatan Sekolah Lapang Kedaulatan Pangan Terintegrasi Desa Mandiri Benih di Kabupaten Sigi. *Prosiding Temu Teknis Jabatan Fungsional Non Peneliti*.



The results for the pre-test data group were **p-value = 0.143**, and for the post-test data group, **p-value = 0.695**.

Table 2. Statistical Analysis Results

	Mean	SD	SE	95% CI	p-value
Pre-post test	0,941	1,757	0,301	0,328 – 1,554	0,004

SD: Standard Deviation; SE: Standard Error; 95% CI: 95% Confidence Interval of the Difference

Knowledge results from curiosity stimulated after an initial sensing process.⁵

In light of this statement, our results do indeed suggest that respondents' knowledge about COVID-19 transmission prevention increased as a result of their interest in the topic, provoked by seeing the *Karungut* performance video and listening to the music's lyrics. It is a sensing process carried out in order to increase knowledge.



CONCLUSION

We conclude that the traditional art of Karungut music, which was proposed and developed within the current study as a novel media for health education, **had a statistically significant effect** of increasing the knowledge of the Dayak Ngaju people regarding the prevention of COVID-19 transmission.





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SURAT TUGAS

No. 213.4/ST/SM.DK1/UNISM/II/2023

Yang bertanda tangan di bawah ini:

Nama : apt. H. Ali Rakhman Hakim, M.Farm

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Jabatan : Dekan Fakultas Kesehatan

Dengan ini menugaskan kepada:

NO	NIK	NAMA
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Sebagai *Oral Presenter* dalam acara *2023 AUA Academic Conference on Public Health Resilience in the COVID-19 Pandemic Faculty of Public Health UI Science Festival (Scifest)* yang diadakan oleh Universitas Indonesia yang akan dilaksanakan pada:

Hari : Sabtu-Minggu

Tanggal : 12-13 Februari 2023

Waktu : Pukul 09.30 – 17.30 WIB

Tempat : Fakultas Kesehatan Masyarakat, Universitas Indonesia
(Offline)

Surat tugas ini dibuat untuk dilaksanakan dengan penuh tanggung jawab

Banjarmasin, 10 Februari 2023

Universitas Sari Mulia

Dekan Fakultas Kesehatan,



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