Development Musicalization Poetry assisted by Artificial Intelligence

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Abstract

The major objective of this work is to investigate the evolution of musicalization poetry with the assistance of deep artificial intelligence (AI). Educational context learning at the school level. This research utilised 4D model research and development (R&D) methodologies, encompassing the stages of Define, Design, Develop, and Disseminate. During the Define stage, an article analysis is conducted to define the theme of poetry. The Design step entails students creating poetry that aligns with predetermined themes. Artificial intelligence (AI) tools like ChatGPT and Suno Music Generator are employed at the Develop stage to transform poetry into music. The dissemination phase included conducting experiments at 20 schools in Sukabumi, where students were selected as samples to receive bait and return. Research findings indicated that the usage of AI apps can significantly enhance language competency, creativity, and cultural understanding among students. Evidence-based 4D research and development approach successful in combining poetry with musicalization. Nevertheless, issues such as linguistic complexity and instructor competence have to be addressed. In general, the use of artificial intelligence in musicalising poetry represents significant promise. In order to enhance the learning experience and increase student engagement in literary education.

Keywords: Artificial Intelligence, Musicalization Poetry, R and D

INTRODUCTION

Poetry is a form of literary expression that employs language with a lyrical, rhythmic, and profound meaning. At the elementary school level, studying offers poetry several notable advantages. A primary advantage is the enhancement of language skills and vocabulary. Poetry employs terminology that is typically above the scope of everyday conversation, therefore enhancing kids' vocabulary and fostering their comprehension of language structure. In addition, poetry

can greatly assist students in comprehending culture, as it frequently mirrors the values, traditions, and history of that country.

Instructional approaches to learning poetry in elementary school might vary. Among the methods is reading and analysing poetry. The student is invited to study poetry and analyse literary characteristics like theme, tone, rhyme, and literary appliances. An analysis lesson can facilitate students' comprehension of the intended meaning and message

conveyed by the poet. In addition to that, writing poetry is also a very successful approach. Teachers can assign writing poetry with a variety of themes, not necessarily good poetry without any certain structure such as rhymes, haiku, or sonnet. By engaging in this activity, students are able to creatively reflect about their thoughts and emotions.

Nevertheless, the acquisition of poetic skills during primary school encounters certain obstacles. Level of difficulty Language poses significant challenge since many poems are written using complex and metaphorical language that may be difficult for elementary school students to comprehend. Furthermore, not all teachers possess the necessary experience or expertise in teaching poetry, thereby requiring training and additional resources. The motivation of students can also serve as an obstacle, as many students may perceive poetry as a challenging or uninteresting subject.

To overcome a challenge, It is crucial to utilize suitable material that matches the abilities and interests of a student. Training sessions seminars for instructors on effective and fun methods of teaching poetry are also highly essential. Explore innovative methods such musicalization. drama. and technology to enhance the appeal and interactivity of learning poetry. Emphasize the need of ensuring that primary school children possess the ability to comprehend material that with aligns the educational competence of the teacher. Hence, it is essential for PGSD students or aspiring instructors specialising in elementary school teaching to have training in musicalization poetry.

Study on the development of musicalization poetry has shown substantial advancements over many years, using different methodologies and providing diverse advantages. The concept of musicalization poetry in education is employed to engage students in reading poetry enhance their creative abilities in language, art, and culture. In addition, there has been a growing trend of musicalizing poetry in Indonesia, where groups transform written poetry into music and use advanced technology for online publication and sharing on social media platforms. Furthermore, a study that specifically examines the usage of musicalization models rooted in poetry and local wisdom at the school base demonstrates notable enhancements students' comprehension writing abilities. It emphasizes the enrichment of vocabulary creative skills through this approach. This. Furthermore. integrate musicalization poetry into the objectives of BIPA instruction. The objective is enhance to comprehension of Indonesian culture language by focusing creativity, locality, beauty, harmony throughout the educational process.

The advent of Artificial Intelligence (AI) has brought about substantial changes in literary education. namely in the automatically generated poems. Using its natural language processing capabilities, (NLP) artificial intelligence (AI) is able to compose poetry with a wide range of intricate styles and themes. Artificial intelligence algorithms can use the analysis of structure, rhyme, and rhythm in existing poetry to generate new works that are equivalent to those

of human poets. This work can serve as a source of inspiration for students.

Beyond the development of written poetry, artificial intelligence also plays a significant role in producing poetry in audio format. Technological advancements sound and synthesis enabling artificial intelligence to accurately interpret and recite poetry with appropriate intonation and rhythm. By reading the findings, students can get insight into the proper delivery of poetry, enhance their pronunciation skills, and develop an appreciation for the content and emotions conveyed in poetry.

research desires The to artificial identify the use of intelligence assist the to in musicalization of poetry. objective of this study is to explore the development of musicalization poetry for elementary school children with the use of artificial intelligence. Investigation of novelties as an elementary school teacher intending to teach literature, specifically poetry and musicalization, can employ an areas development approach.

METHOD

This study employed the 4D model research and development approach, including the phases of Define, Design, Develop, and Disseminate. The data defined is a documented book of findings analysis. Merdeka Primary School curricula prescribe the specific theme of poetry that children were engaged with. During the final phase of the design process, students participate in the creation of design-oriented poetry that explores their selected theme. During the development phase, the use of the ChatGpt and Suno Music Generator applications, students can rectify the structure of poetry and transform the AI-generated poetry into music. A total of 20 schools in Sukabumi were surveyed, with a sample size of 5 students, to analyse and provide feedback on music using artificial intelligence. Validation in this study is achieved by data triangulation.

FINDINGS AND DISCUSSION

The finding of this study is described in a way concise can be seen in chart below.

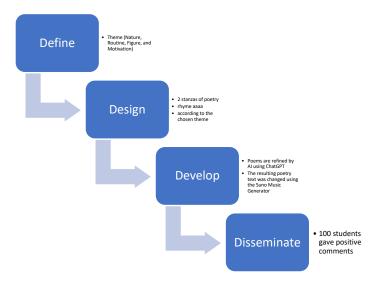


Table	1	Poetry	Student

Table 1 Poetry Student				
Title	Theme			
1. Butterfly	Natural			
2. Mother	figure			
3. Sorry I Mother	Figure			
4. Excited day	Motivation			
5. Welcome dream	Motivation			
6. How beautiful Evening	Natural			
7. Evening	Natural			
8. Reach out dream	Motivation			
Adventure Morning day	Natural			
10. sun	Natural			
11. my beautiful school	routine			
12. My prophet my idol	Figure			
13. Adventure children	Natural			
14. My dreams	Motivation			
15. Childhood	Routine			
16. Mother	Figure			
17. My teacher	Figure			
18. Butterfly beautiful	Natural			
19. My morning	Natural			
20. my nature	Natural			

Following snippet poetry that has been made

My nature

Work: Anjani Sudrajat

I see cloud parade
Sky blue stretched full beauty
A breeze wind blow foliage
Feels cool full beauty

Let's sing together natural
Green trees beautiful seen
We must guard natural
So natural always beautiful seen

The Role of Books in Development Elementary students

The school elementary book provides an important function in the intellectual and emotional development of children. The educational institutions not only provide fundamental knowledge, but also cultivate character, stimulate creativity, and foster children's understanding of themselves and the world (Mu'in, 2021). One highly effective method for exploring potential is through the practice of creative poetry (Carr, 2022).

Elementary school literature serves as a cornerstone for the cognitive and emotional development of young minds. It introduces children to a broad spectrum of thoughtprovoking topics, encouraging them explore new ideas perspectives. By presenting a diverse array of stories, facts, and concepts, literature ignites curiosity and fosters a lifelong passion for learning (Bonawitz et al., 2024). This exposure not only enhances their cognitive abilities, such as critical thinking, problem-solving, and comprehension but also nurtures imagination and creativity. Moreover, well-crafted literature helps children develop empathy and social awareness by allowing them to connect with characters and situations that mirror the complexities of real life. As a result, these books play a vital role in shaping well-rounded, intellectually curious individuals who are better equipped to understand and engage with the world around them.

Books play a pivotal role in the emotional development of children by providing them with relatable narratives that explore themes such as family, friendship, and personal growth. These stories serve as mirrors and windows—mirrors that reflect children's own experiences and emotions, helping them understand and articulate their feelings, and windows that offer insight into the experiences of others, fostering empathy and emotional intelligence (Bang & Kwon, 2020). Through the challenges and triumphs characters, children learn valuable lessons on managing emotions, resolving conflicts, and building healthy relationships. Literature thus becomes a powerful tool in teaching children how to navigate

complexities of their inner worlds and interact compassionately with those around them. By illustrating diverse emotional journeys, books help children develop resilience, empathy, and the social skills necessary for nurturing positive relationships throughout their lives.

The presence of figure themes such as mother, teacher, and prophet in elementary school texts lay a solid the development basis for musicalization poetry. The figure of the mother, frequently portrayed with love and sacrifice, indeed inspired subsequent poetry that transformed into a song with a gently melodic and profound sentiment. This not only commemorates the crucial role of mothers in the lives of children but also provides a platform for emotional expression. The figure of the teacher is shown in primary school books as a committed educator, often included in a joyful song or inspirational theme, emphasizing their good impact on students (Prawiyogi et al., 2023). It is possible to transform the story of the imparted prophet, who moral principles, into a song with a solemn tune, so effectively communicating profound spiritual lessons.

A basic school book that offers descriptions of butterflies, night, and sunrise in the natural world presents abundant subjects for poetry and The butterfly, with music. remarkable metamorphosis, can be effectively depicted in subsequent poetry as a song that emulates the beauty and transformations undergoes. While the night theme evokes a tranquil and enigmatic atmosphere, it is possible to compose a serene and contemplative music that helps to establish a soothing evening ambiance. The poetry about sunrise, which represents the start of a new

day and optimism, can be transformed into a joyful song with a vivid melody that embodies the feelings of passion and energy associated with the new day.

The potential of motivation, particularly theme ideals, is immense in the realm of musicalization poetry. Elementary school literature future aspirations explore ambitions can serve as a source of inspiring motivational poetry. Interactive musical compositions and lyrics Spirit in music can generate zeal and fortitude in youngsters. Implementing musicalization poetry as a potent instrument for motivating and empowering students in pursuing their dreams.

Finally, the mundane everyday activities such as attending school, which are typically portrayed in elementary school textbooks, are not adequately incorporated into musicalized poetry. Poetry depicting school experiences, whether positive or challenging, can be transformed into a humorous and instructive song. The lively tunes and vivid lyrics of ordinary school encourage children to celebrate life and experience the significance of education in an enjoyable approach.

Development musicalization poetry using SUNO

SUNO application provides a novel approach to transform poetry into music without the need for physical instruments. Utilise technology to connect students' creativity with tangible musical outcomes. method of creating poetry using SUNO begins with the registering and setting up an account. They then download the application and create a customized profile. Upon acquiring knowledge of the interface

application via tutorials, users can proceed to compose poetry or have the lyrics transformed into music (Huang, 2024). SUNO simplifies this procedure by allowing users to import lyrics and poetry directly into the application.

The SUNO system utilises voice processing technology transform poetry into music and provides a range of features. Modify the melody and harmony to align with the theme of the poetry. The user can choose the suitable music genre, tempo, and virtual instrument to be used in creating a unique composition ambiance. with a poetic completion melodies of arrangements, the user can listen to a preview to verify if the music and texts are in harmony with their expectations.

This procedure entails refinements and enhancements, allowing users to make changes based on Preview findings, modify musical elements such as rhythm and tempo, and make edits to the lyrics if necessary. After achieving satisfaction with the outcomes, the user can export the musicalized poetry in the preferred format, such as MP3 or WAV, and distribute it through music platforms or social media. Finally, bait returned by the listener can be employed. To enhance the quality of future output, the temporary user should continuous experiment with the SUNO app to improve students' talents in creating music and poetry.

CONCLUSION

It should be acknowledged that the ability of students in primary schools to comprehend the subject is mostly determined by the competence of the teachers' contribution. Hence, it is

important for PGSD students as a future teachers who will be teaching primary schools to receive specialized training in musicalization poetry. This research aimed to investigate the implementation of musicalization poetry aided bv intelligence artificial (AI) in educational settings. Research findings indicated that the use of AI applications, such as ChatGPT and Suno Music Generator, can improve students' language proficiency, creativity, and cultural insight. The study employed a 4D research and development paradigm, established and successful approach poetry combining for musicalization. However, there are still critical obstacles to be addressed, such as the complexity of language and the skills of the teacher. Utilizing artificial intelligence in the task of musicalizing poetry has significant potential to enhance the educational experience of students and increase their engagement in literary learning.

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