

The Development of Traditional Music Learning Model Integrated with STREAM (Science, Technology, Reading, Arts, and Math) to achieve Authentic Learning Outcome (Research Collaboration: Indonesia, The Netherlands, France, Malaysia, and USA)

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ABSTRACT

Art is the pinnacle of culture and the national value which reflects the civilization of a nation. The ancestors of Indonesia were intelligent in passing down moral values through art. Unfortunately, in this decade, the efforts to inherit art have been decreasing compared to the previous period. However, the onslaught of modern culture puts these songs at risk of extinction. The popularity of traditional music is decreasing because the younger generation currently listens to foreign music more than Indonesian music. As a result, they like foreign songs. If this continues, local music will be completely extinct. For this reason, traditional music should be reintroduced to the younger generation. An effective way to preserve traditional arts is through formal education. However, increasing the allocation of time for music lessons at school is a difficult task. Another strategic way is to integrate traditional music in other subjects, one of them is STREAM (Sciences, Technology, Reading, Arts, and Maths). This research aims (1) to develop a STREAM-integrated traditional music learning model to achieve authentic learning outcomes and (2) to determine the effectiveness of STREAM-integrated traditional music. STREAM is an integration of various fields of sciences which was initially limited to STEM (Science, Technology, Engineering, and Math) which mostly uses the left brain. However, with the discovery that humans have 8 intelligences, the integration of learning is also added to other subjects, one of which is language so that learning is integrated into STREAM (Science, Technology, Reading, Engineering, and Math). Furthermore, with the existence of studies proving the positive influence of music on life, the field of art is integrated so that it develops again into STREAM. The development of this learning model is intended to provide students' understanding, skills, and attitudes to view the world more holistically. It is expected that students can view science as an inseparable unit. Traditional music can be considered as a part of life that cannot be separated from science, technology, reading, engineering, and mathematics. This is a Research Development with a target of TKT 7th. The output of the target is submitting and publishing an article in SCOPUS journal Malaysian Journal of Music, Chapter Book, Product of Teaching and Learning Model, and Processing HAKI. This research was conducted for one year by using Borg & Gall model. The steps are as follows. 1) Needs identification, the researcher identifies the traditional music in the community. 2) Data collection, Researchers collect data related to curriculum and subject matter. 3) Product design, is in the form of developing a STREAM-integrated traditional music learning model. 4) design validation, Validation will be carried out by teachers and education experts. 5) design revision, 6) Piloting, which will be carried out at the State Elementary School. 7) Revision, 8) Field Trial, The difference in pretest and pretest scores are used as the basis for determining the effectiveness of the learning model developed. 9) Model revision and 10) Product Deimination. The Analysis of quantitative data using MANOVA (SPSS 12). The result shows that STREAM is appropriate and enables to implementation at the elementary school level, especially for 5th grade. The STREAM model can improve authentic learning outcomes effectively.

Kata Kunci: *traditional music, learning model integrated, STREAM*