

# Transposition TTIE (Transfer, Translation, Imitate, Evaluation) in Learning Music Notation through Score Creator and Score Cloud

A. Heryanto\*, Wadiyo, Agus Cahyono, Suharto

Universitas Negeri Semarang, Indonesia

\*Corresponding Author: s1kesenian@gmail.com.

**Abstract.** This study aims to determine the application of the concept of TTIE Transposition (Transfer, Translation, Imitate, Evaluation) in Musical Notation Learning through Score Creator and Score Cloud. This research uses Mixed Method. Data collection through tests, observations, documentation and interviews. Furthermore, the data were analyzed based on performance appraisal and triangulation. Based on studies related to the Application of the TTIE Transposition Concept in Learning Music Notation at SMA Negeri 3 Kayugung it can be stated that the Transposition Concept in Music Notation learning can be successfully revealed through the TTIE Cycle using the Score Creator and Score Cloud applications. The application of the TTIE Transposition Cycle Concept can be carried out in 7 steps; 1) Preparation (Teacher instructs students to bring cell phones, Download Score Creator and bring notational transcripts. 2) The teacher provides an understanding of notation theory and symbols. 3) The Notation Transfer process uses the score creator application. 4) In this translation process, the teacher can clarify the notation that students transfer. 5) The teacher can teach students to sing by following (imitating) the sound in the Score Creator application. 6) students can independently play "Play" and (imitate) the sound of the translation of the Notation on the Score Creator application independently, so that students sing the song Notation correctly. 7) The seventh step is an evaluation of the results of student imitation detected by the Score Cloud application, which can translate the sound of the singer's imitation back into a Notation Transcript.

**Keywords:** Transposition; Transfer; Translation; Imitate; Evaluation; Notasi; ScoreCreator; ScoreCloud

## INTRODUCTION

Kayuagung 3 Public High School, one of the schools that teaches the art of music, among others; Vowels & Notation. Vocal and notation subjects are certainly in great demand by students, because they are not as difficult as other subjects. However, this is not true. Even though it is considered as one of the subjects that is not difficult, there are still obstacles to the lack of maximum student learning outcomes. One of the obstacles is the lack of optimal learning outcomes.

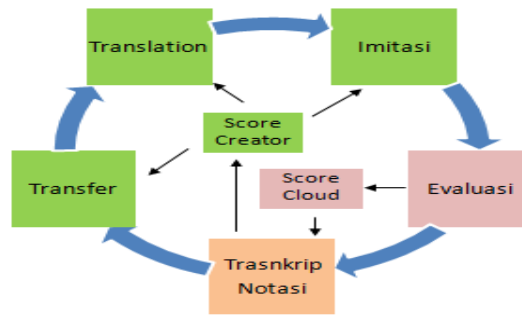
One alternative that should be implemented in achieving optimal vocal and notation learning outcomes is the need for innovation in the use of learning media by utilizing a digital application called Score Creator through the TTI (Transfer-Translation, Imitate) Transposition Concept. According to the author (Heryanto 2020, 01) in previous studies stated that the use of the Score Creator with the TTI concept (Transfer, Translation, Imitate) is very effective and efficient in the process of learning the notation of a song. To be more effective and efficient the TTI Transposition concept, of course, the author needs to redevelop the initial concept from moving 3 domains to 4 domains, namely adding Evaluation (TTIE Transposition).

This evaluation is of course used to get the

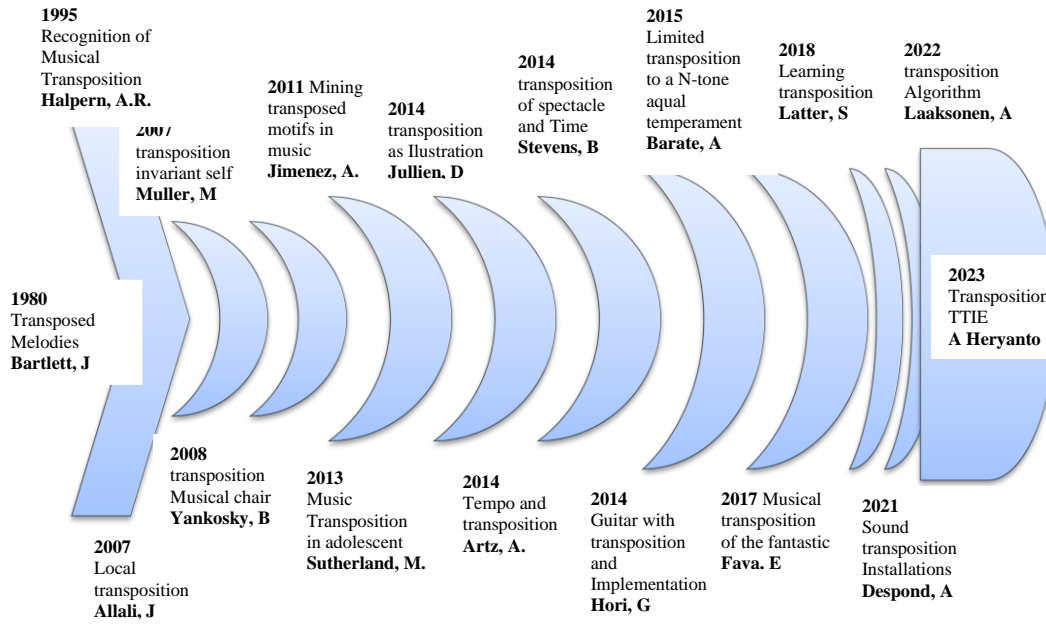
accuracy of the imitation results. The accuracy of the singer's voice imitation must be carried out with accurate measurements. To get accurate measurement results, it can be tested through an application called Score Cloud (SC). The Score Cloud application translates the sound from the imitation of singers back into Notation Transcripts. The transfer of the TTIE transposition can be said to occur in the form of a cycle, from Transcript Notation - Transcript Notation is transferred into the application - The application translates / translates the notation into sound - Sounds are imitated / imitated by singers - results of singer imitation are detected / evaluated through the application score cloud which can translate the sound of the singer's imitation results back into Notation Transcripts.

## METHODS

This study uses the Mixed Method: Quantitative after Qualitative. Quantitative method to reveal about the design of the Score Cloud instrument as evaluation material. Meanwhile, the Qualitative Method for examining the integrity of the TTIE Transposition concept in Notation learning uses the Score Creator and Score Cloud applications. In summary, the integrity of this cycle concept can be seen through the following design flow:



**Figure 1.** TTIE Transposition Cycle Concept



**Figure 2.** Transposition Literature Review

**RESULTS AND DISCUSSION**

The application of the TTIE Transposition Cycle Concept in learning musical notation at SMA Negeri 3 Kayuagung can be done in 7 steps.

1. Preparation (Teacher instructs students to bring cellphones, Download Score Creator and bring notation transcripts).
2. The teacher provides an understanding of notation theory and symbols.
3. The notation transfer process uses the score creator application.



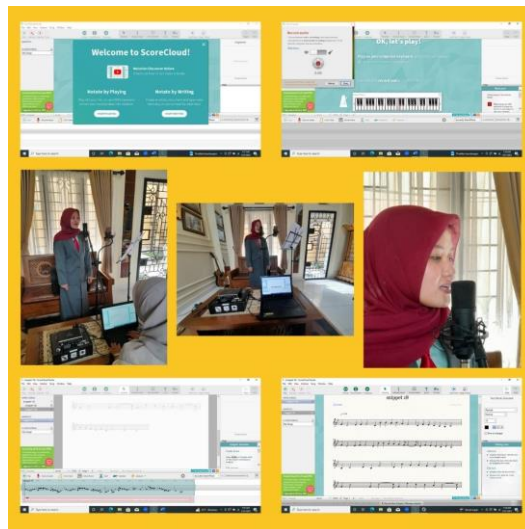
**Figure 2.** Photo 2-7. Learning Note Forms, Note Names, Note Values, Note Functions and Locations, Notation Transfer Process to the Score Creator Application and The teacher's process guides students in copying notes (Private document,2023).

4. Interpretation process where the teacher can clarify to students about the notation of a song. So that students can more easily understand or translate from the symbol the shape of the note, the name of the note, the value of the note, and the function or meaning of the location of the note on the stave in the notation of a song.
5. The teacher can invite and teach students to sing by following (imitating) the sound on the Score Creator application on each student's smartphone or cellphone.
6. Students can independently play "Play" and (imitate) the sound of the translation of the Notation on the Score Creator application independently, until students really understand and sing the song Notation correctly



**Figure 3.** The process of students imitating the sound from the Score Creator translation

7. The seventh step is the final/evaluation step, where the results of imitation of students/singers are detected/evaluated through the Score Cloud application which can translate the sound from the imitation of singers back into Notational Transcripts.



**Figure 4.** Evaluation Process (Private document,2023)

## CONCLUSION

Based on the introduction and discussion above it can be concluded that; 1.The concept of transposition in learning Music Notation can be successfully revealed through the TTIE Cycle (Transfer, Translation, Imitate, Evaluation) using the Score Creator and Score Cloud applications.

2. Application of the TTIE Transposition Cycle Concept can be carried out in 7 steps.

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