ABSTRACT

Sirait, Indah Nurmarhamah. The Implementation of Bebras Computational Thinking Challenge in Teaching English to Eighth Grade Students at SMP Negeri 3 Percut Sei Tuan. A Thesis. Universitas Negeri Medan, 2026.

The Bebras Computational Thinking Challenge is an international problem solving activity that aims to develop students' computational thinking skills through logical, non-programming tasks. This research aims to describe how the implementation of the Bebras Computational Thinking (CT) Challenge in English teaching and to examine students' Computational Thinking performance as well as the challenges faced by the teacher during the learning process. This research employed a descriptive qualitative design. The data were collected through classroom observations, interviews, questionnaires, and students' Bebras task results involving 26 eighth-grade students at SMP Negeri 3 Percut Sei Tuan. The findings showed that the Bebras Computational Thinking Challenge created an active and engaging learning environment and encouraged students to think logically and collaborate during English lessons. The analysis of the Bebras tasks results indicated that 12 students were categorized as having high Computational Thinking ability (70-87), 14 students were in the medium category (52-69), and no students were classified in the low category**.** The questionnaire results revealed that most students had positive attitudes toward the use of Bebras activities in English learning. Several challenges were identified, including students' limited English proficiency, inadequate learning facilities, and the teacher's difficulty in integrating Bebras tasks with specific English learning objectives. These factors influenced the use of English and the overall implementation of the Bebras activities in the classroom. This study concludes that the Bebras Computational Thinking Challenge can be effectively implemented in English learning, while improvements in facilities and intrusctional integration still needed. For future researcher, it is suggested to explore the implementation of bebras in relation to specific English or in different educational contexts to obtain deeper insights.

Keywords: *Bebras Computational Thinking Challenge, computational thinking, English teaching*