

Analisis Integrasi Literasi Numerasi, Computational Thinking, dan Resiliensi untuk Mahasiswa Sekolah Dasar

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ABSTRACT

In the PISA and PPIC assessments, data was found that Indonesia's numeracy literacy was still low. From an affective perspective, resilience as a fighting ability plays a role in complementing numeracy literacy, and computational thinking. Based on previous research, the variables of this research are discussed separately, and research has not been identified that integrates the relationship patterns between the three. However, there have not been many empirical and in-depth studies regarding this variable. The aim of this research is to find patterns of relationships or conjectures (substantive theory) in numeracy literacy, computational thinking, and resilience. This research was reviewed from the perspective of ability (high, medium, low) and gender. The urgency of the research is that there are various quantitative studies that prove that Indonesia's literacy, computational thinking, and resilience results are low. However, the supporting and inhibiting factors between variables have not been thoroughly studied. The impact is that Indonesia's ability has not shown significant numeracy progress. The problem-solving approach uses grounded theory to analyze data in building hypothetical conclusions or conjectures. The research subjects were 18 students in Yogyakarta. Grounded theory analysis produces a theoretical formulation between resilience, numeracy, and CT variables. The higher the student's resilience, the more diverse the problem-solving patterns in numeracy and computational thinking. This research produced findings about numeracy and CT abilities through understanding Van De Walle's addition and subtraction, prerequisite material for addition and subtraction, and students' way of thinking which is connected to resilience. The findings show that Van De Walle addition and subtraction are still new things for prospective teachers, they have never known and used these concepts.

Kata Kunci: Numeracy, Computational Thinking, Resilience Numerik, Grounded Theory