

# PORTFOLIO ASSESSMENT BASED ON INNOVATIVE MATHEMATICS LEARNING IN ELEMENTARY SCHOOL

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**Purpose.** The purpose of this study is the development of portfolio assessment handbook to promote the standard of mathematics learning results in Indonesia. **Design / methodology / approach** The current study adopted a mixed methods approach in which both quantitative method and qualitative method is considered. For qualitative purpose, data collection is carried out by using interviews and survey is carried out to collect quantitative data. The current study is carried among the elementary schools of South Kalimantan, Indonesia. Additionally, purposive random sampling is employed to collect the data from primary school teachers. **Findings** The results of the study demonstrated that the internal expert and practitioner as part of the evaluation and enhancement of the test cycle is most significant for developing the learning assessment tool. Furthermore, portfolio evaluation is a novel learning tool developed for primary mathematics learning activity which is most significant to use based on the results of internal and external tests. **Practical implications** Findings of the study offer important insights for educationalists, practitioners, and administrative authorities to design special lesson plans and evaluation methods for educational institutions. The results of the study are valuable for practitioners to improve learning and gauge the capacities of students. **Originality/value** This study has significant contribution to the body of knowledge. Especially, the development of portfolio assessment handbook has valuable addition to the literature. In rare case, any study developed the portfolio assessment handbook

**Keywords:** Portfolio assessment, learning outcomes, mathematics, elementary school, teaching methods.