

ABSTRACT

Muh. Nur Iqramsyar, 2022. Developing Students' Worksheets Multiple Intelligences-Based to Improve Mathematical Communication Skills at Class V UPT (Technical Implementation Unit) SPF SDI Barombong III Tamalate District of Makassar. Supervised by Rukli and Agustan S.

This research aimed at developing worksheets based on *multiple intelligences* that are valid, effective and practical. The type of research used in this research was *Research and Development* (R & D) with 4D development models, namely *define, design, development, and disseminate*. The subjects used in this study were 5a grade learners with the number of learners as many as 8 learners and class 5b with a total 16 learners. The instruments used in this study were in the form of learning device instruments, namely RPP (lesson plan), and Student Worksheets and data collection instruments, namely validated questionnaires, teacher and learner response questionnaires, test sheets and observation sheets. Data analysis techniques were performed to see validity, effectiveness and practicality of worksheets of learners based on *multiple intelligences*. Based on the analysis of validity based on instrument filling data by expert and practitioner tests both in terms of design and materials showed that the worksheets of *Multiple Intelligences-based learners* were rated with average score 4.66 or Very Valid. The results of the observation analysis of the activeness of learners in the use of worksheets based on *Multiple Intelligences* obtained on average 91.41% then classified at the excellent criteria. Based on the results of observations on the implementation of learning, 96.67% were obtained from all learning activities. The results showed that the *N-gain* score of 0.61 belonged to the medium category and the percentage value of *gain* is 61% with the category quite effective. Based on the results of the teacher's response obtained average score of 4.47 as excellent category and the student's response was obtained an average score of 4.48 as excellent category. So it can be concluded that worksheets of learners based on *Multiple Intelligences* were valid, effective and practical to be used in learning.

Keywords: Students' Worksheets; Multiple Intelligences; and Mathematical Communication



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