ABSTRACT

Improving Student Learning Outcomes On Mathematics Subjects Plan Trough Manipulative Tools "Paku Cerdik" Of SDN Kolor II Sumenep

Keyword: *Mathematics learning outcomes and manipulative tools*

*This study aims to improve the learning process and improve mathematics learning outcomes in the surrounding material and the area of flat building using the "*Paku Cerdik*" teaching aids on the fourth grade students of SDN Kolor II Sumenep. In the learning process class IV students do not use teaching aids resulting in less active students, and a lack of increased mastery of material then the way teachers teach menoton.*

*This research is classroom action research (PTK) and carried out in three cycles, each cycle consisting of planning, implementation, observation and reflection. The aspects observed in each cycle are teacher activities, as well as the process of learning material around and broad flat using "*Paku Cerdik*" teaching aids. The research subjects were 22 students.*

The results of the study of circumference and flat building area on precycle averaged 40, the condition of the first cycle increased to 58 cycles II increased to 61 and in the third cycle increased to 80. Increased mastery of the material around and the area of flat construction in precycle by 27%, cycle I was 36%, cycle II was 41%, increased to 86%. This shows that this action is declared successful on average students get a score of ≥ 70. Judging from the value that has a very good and good category 19 students from 22 students, have met the success above the KKM value of 70.