

Improve Logical Mathematical Intelligence Through Problem Based Learning Class IV SDN Cempaka Putih Barat 17 Pagi Senen in Central Jakarta (2017)

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ABSTRACT

The purpose of this research is to improve logical mathematical intelligence in mathematics fractions fourth grade students of SDN Cempaka Putih Barat 17 Pagi Senen in Central Jakarta using problem-based learning model. Research conducted in SDN cempaka Putih Barat 17 Pagi senen in Central Jakarta. When the study conducted during the months of September to December 2016 in odd semester academic year 2016/2017. This research method is by using action research cycle model of Kemmis and Mc. Taggart with four stages each cycle of planning, action, observation, and reflection. The results of this study indicate that the first cycle of data obtained logical mathematical intelligence score of 52% or 13 of the overall 25 students obtained a score ≥ 70 and the second cycle students' logical mathematical intelligence score increased to 81% or 21 of the overall 25 students obtained a score ≥ 70 . Scores of monitoring the actions of students and teachers also increased. Monitoring the actions of teachers, namely a percentage 68.75% of the first meeting, the second meeting amounted to 71.25% and the percentage of the third meeting by 75% in the first cycle to be increased in the second cycle the first meeting that the percentage is 83.75%, the second meeting of 86.25 % and the third meeting amounted to 93.75%. While the percentage of monitoring the actions of students in the first cycle the first meeting of 63.75%, 67.5% the second meeting and the third meeting of the 70% to be increased in the second cycle where the rate of 81.25% the first meeting, a second meeting 85% and at the third meeting 90%. Based on the research results we concluded that by using model-based learning can improve students' logical mathematical intelligence SDN class IV Cempaka Putih Barat 17 Pagi senen, central Jakarta. The implication of this research is the application of problem-based learning model will bring a positive interaction that will enhance students' logical mathematical intelligence about fractions.

Keywords: logical Mathematical intelligence, fractions, problem based learning model, fourth grade students