

Improve Understanding of Mathematical Concepts Through Problem Based Learning Model Class IV SDN Cempaka Putih Barat 17 Pagi Senen Central Jakarta (2017)

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ABSTRACT

The purpose of this study was to improve understanding of mathematical concepts through problem-based learning model Class IV SDN Cempaka Putih Barat 17 Pagi Senen. Research conducted at SDN 17 Pagi Senen, which is located in the Cempaka Putih Barat 15 Senen XIV. The research was conducted during the months of September to December 2016 in the first semester of school year 2016-2017. The method used was classroom action research using a model of Kemmis and Mc. Taggart cycles with each cycle of four phases namely planning, action, observation and reflection. Results of research by applying problem based learning can improve students' understanding of mathematical concepts. In the first cycle was 44.00% and increased in the second cycle of 92.00%. The percentage of teachers' actions monitoring data in the first cycle to the 1st meeting of 67.50%, 2nd meeting amounted to 71.25% and 3 rd at 73.75%. In the second cycle increased to-one meetings to 83.75%, 2nd meeting amounted to 88.75% and 3 rd at 95.00%. While the percentage of student action monitoring data in the first cycle to the 1st meeting of 65.00%, 2nd meeting amounted to 68.75% and 3 rd at 73.75%. In the second cycle increased to-one meetings to 80.00%, 2nd meeting amounted to 87.50% and 3 rd at 93.75%. Thus, learning mathematics using problem based learning can improve students' understanding of mathematical concepts. The implication of this research is through the use of problem-based learning model in the study of mathematics can improve the understanding of mathematical concepts fourth grade students of SDN 17 Pagi Cempaka Putih Barat Senen.

Keywords: *Understanding of mathematical concepts, problem-based learning model, Class IV SD.*