

**IMPROVING CRITICAL THINKING ABILITY STUDENTS IN MATH ON  
BASED LEARNING CLASS IV SDN CEMPAKA PUTIH BARAT 17 PAGI  
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(2017)**

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**ABSTRACT**

*The researchers' goal is to improve students critical thinking ability in mathematics through problem based learning class IV SDN 17 Pagi Cempaka Putih Senen, Central Jakarta. This research was conducted in Cempaka Putih Barat SDN 17 Pagi Senen, located in the Cempaka Putih Barat XIV No. 15, Cempaka Putih Barat Senen Central Jakarta. The research was conducted during the month of September 2016 until December 2016 in the first semester of the 2016/2017 academic year. The research method use is classroom action research with four stages of each cycle, namely planning, action, observation and reflection. The percentage of observations of teacher action in the first cycle 1 meeting by 65%, amounting to 72.50% 2 meeting 3 meeting amounted to 73.75% and the observations of the student action on the first cycle 1 meeting at 62.50%, meeting 2 at 65% , 3 meeting amounted to 72.50%. In the first cycle that has achieved success indicators of critical thinking skills of students in mathematics who scored  $\geq 70$  many as 16 students or 64%. As a percentage of the teacher's behavior observations on the second cycle first meeting by 85%, amounting to 87.50% 2 meeting 3 meeting by 95% and the observed actions of students in the second cycle of meeting 1 83.75%, second meeting of 86.25% , 3 meeting amounted to 93.75% in the second cycle students' critical thinking skills in mathematics who scored  $\geq 70$  many as 21 students or 84%. In the second cycle students' critical thinking skills in mathematics who scored  $\geq 70$  many as 21 students or 84%. The implication of this study is that the problem based learning model can be one way to improve students' critical thinking in math fractions in fourth grade elementary school.*

*Keywords : Critical thinking ability, problem-based learning, fourth grade elementary school*