

# **THE EFFECTIVENESS OF *SOCRATIC CIRCLES METHOD* WITH PICTURE AS THE MEDIA TOWARDS IMPROVING STUDENTS LEARNING OUTCOMES ON IMMUNITY SYSTEM CONCEPT**

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## **ABSTRACT**

This research was conducted based on students' lower understanding background at XI MIA class of SMA PGRI 1 Bandung with the concept which caused by the less implementation of inappropriate learning method, therefore students have difficulties on understanding the concept message conveyed by the teachers. This research were aimed to know the effectiveness on the use of *Socratic Circles method* along with pictures as the media on improving students' learning outcomes on the concept of immune system at SMA PGRI 1 Bandung. The populations of this research were students at XI grade students of SMA PGRI 1 Bandung which consists of XI MIA class with totally 38 students of XI MIA. The research method that was used on this study was *Pre-Experimental with One Group Pre-test Post-test Design*. The research instrument used is a capability test that measures the cognitive domain of 20 *multiple choice* questions that are personalized to the achievement of learning indicators that have been tested previously. The increasing learning result with the z test was on 95% confidence level ( $\alpha = 0.05$ ), showed that the data analysis result are significantly improve with  $0,30 < g \leq 0,70$  as the value of gain index. The refore, the result of N-gain are classify as medium category. Thus, it can be concluded that learning activity by using *Socratic Circle method* with picture as the media are effective to increase student learning outcomes on immune system concept.

Keywords: *Effectiveness, Socratic Circles method, picture as media, learning outcomes, immunity system.*