PRACTICAL APPLICATIONS IN GUIDED INQUIRY LEARNING MODEL TO INCREASE SKILLS OF STUDENT SCIENCE PROCESS ON CELL CONCEPT

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Abstract

This research aims to determine the improvement of students' science process skills when applying the practicum in the guided inquiry learning model on the cell concept. Research method used in this research is pre-experiment method. This research was conducted in SMA PGRI 1 Bandung that is in class XI MIA 1 consisting of 35 students in odd semester of academic year 2017/2018. This research uses one group pretest-posttest design research. Data collection techniques in this study is by using written tests to measure students' science process skills. Data analysis techniques in this study using SPSS 18.0. From the result of research, the average score on pretest score of students is 45,8 and at student's posttest score is 61,6. It can be concluded that there is an increase in students' science process skills. It can be supported by statistical calculation using the gain normality test resulted in a gain value of 0.51 which means categorized being (value $0.30 \leq n \leq 0.70$). Thus the application of practicum in the guided inquiry learning model has a strong effect in improving students' science process skills on cell concepts. The aspects of science process skills that have increased are observing, classifying, using materials tools, and applying concepts.

Keywords: Guided Inquiry, Skills Process of Science.