

Evaluation of Lesson Study Impact on Teachers' Ability to Manage Junior Secondary School-Mathematics Learning in Sumedang District*

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Abstract

The objective of this study is to evaluate impact of Lesson study on teachers' ability to manage teaching and learning process and mathematics teachers' performance as one of teacher's professionalism indicator. This study has done by observing, video recording, interviewing teachers, and interviewing students to compare teachers' ability in managing mathematics-teaching and learning process in junior secondary school before and after lesson study based MGMP conducted and teachers' performance after following lesson study.

The activity conducted on mathematics teaching and learning process at junior secondary school sample in Sumedang. Analysis on observation sheet and video recording of the teachers' teaching and learning by reviewing what have done by the teachers' at introduction activity, main activity, last activity, and hands-on activity.

Data were collected by direct observation and recording using audio-video on teaching and learning process, interviewing teachers, and interviewing students. The used instruments are observation sheet for teaching-learning process, video recording of teaching and learning activity, and interview guideline for teachers and students.

From data analysis found: (1) In managing teaching and learning process, teachers have ability to create student centered learning, enjoyable learning, effective learning, and to grow students' communication ability, but they couldn't use time optimally yet. (2) In general, engaged teachers on lesson study activities have conducted learning innovation like exploring mathematics model, cooperative learning model with jigsaw type, using discussion method and using simple teaching material taken from local material in daily teaching and learning activity for handling the problem took place in learning.

It can be concluded that lesson study activity, with in conducted collaboration between teachers and lecturers from Indonesia University of Education (UPI) to create innovative learning, showed that it has positive impact on teachers' ability in managing junior secondary school mathematics learning in Sumedang district.

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