

THE IMPLEMENTATION OF ICT BASED LESSON STUDY IN SCIENCE INSTRUCTION TO FORM LEARNING COMMUNITY OF JUNIOR HIGH SCHOOL SCIENCE TEACHERS AND TO IMPROVE QUALITY OF ELEMENTARY EDUCATION IN WEST JAVA

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Abstract

Internet and Telecommunications Technology now have been a requirement for modern society. Internet and with its sustaining facilities is representing the source of giant information which is difficult to be avoided. In line with the mentioned above, Information and Communications Technology (ICT) for all teachers as educators, will be an important tool to dig any knowledge and to promote knowledge sharing to their colleagues and all student as well as others. Constructively ICT for educational purpose to name a few with Moodle, with this, all teachers can improve, share their knowledge without pushing aside its daily duties. Besides, without limitation of time and distance, all teachers can remain doing discussion about planning and analyzing around learning community. Educational level of Junior High School represents as ending phase of 9 year Elementary Education compulsory that determines education participants' transition whether to continue to higher level or not, it is assumed that at least will give fundamental abilities the way of thinking and/or skills for their better life. Issues about lowering of rank of education achievement especially in the field of Science in the world, challenged to be researched soon to find its solution immediately. To enhance the quality of teachers, Lesson Study efforts by off-line way was have been done, but it is requires very costly expense and time. Beside, with this offline lesson study, teachers must leave a side their main jobs activity. This difficulty is expected can, in mind, be overcome with on-line lesson study (ICT Based Lesson Study) that at least will overcome time and space obstacles. Normally, this kind of mode, in short run will costs much, but in a long term (in the long run) will much more cheap and at the same time can forms learning community in effective way. This effort described from baseline and half way of program acts, that found that this solution is an important program to be done so that in next turn will overcome the problem of low study achievement in schools and narrowed the digital difference (digital divide).

Keywords: ICT based Lesson Study, Improving of quality, Junior High School teachers, Digital Divide