ABSTRACT

THE DEVELOPING VIDEO ON DEMAND (VOD) WITH EXPANSION RESOURCES OF LEARNING BASED ON INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

By

WIDI WIRIADIPRAJA

The use of interactive video as a medium of learning is familiar, one example is Video On Demand (VOD). VOD as an alternative interactive learning resources that can be modified as desired editor and learning purposes. Video already many downloaded or accessed online, there are even video designed very interesting and interactive, but not entirely represent indicators of learning, although there is a shortage but to get it is not free. Therefore it is necessary for the development of VOD in order to study the resulting video in accordance with the purpose of learning and teaching materials to represent all first able to provide more relevant science learning.

This study uses a Research and Development’s model. The Development of Interactive Learning Resource (ILR) in the form of VOD adapting instructional media development model of product development procedures and test products according to Suyanto as a reference. These include the development of research
program development needs analysis, resource identification, identification of product specifications, product development (Prototype II), internal test (Prototype II), external test (Prototype III), and production. Product testing as a learning media assessment is done by using the instrument design, the content / learning materials, the attractiveness, convenience, and expediency multimedia based BSNP and consultations, in addition to the use of post-test questions contained in the SBI.

Internal test results by expert design and the content / learning materials stated that SBI has decent quality and in accordance with the theory. External test results by the user through the test one-on-one, multimedia has a very attractive quality, very easy to use, and very useful, while the test through a small group has a very attractive quality, very easy to use, and very useful. External test results through field tests, it was declared effective multimedia is used as a source of learning media as well as by the acquisition of student learning outcomes VIIIIF grade SMP N 1 Kragilan during the second semester of academic year 2012/2013 is equal to 83.77% of students completed KKM material with a mean pressure average value of 84.51.

Keywords: Research and Development, Video On Demand (VOD), the material pressure of SMP / MTs.