ECOSYSTEM DEVELOPMENT ON ADAPTIVE MOOC TO SUPPORT PERSONALIZED LEARNING

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ABSTRACT

The internet has brought about a significant change in the learning environment. The Internet provides billions of pieces of information that anyone can access. However, with such a large amount of data and balanced with a very large number of users, it demands a means that can organize systematically and can be accepted by users who have very diverse backgrounds and literacy abilities. MOOCs (Massive Open Online Courses) can be one model that provides an online learning platform that is open to anyone and allows use by very large users. Information development and advances in Learning Management System (LMS) technology do not necessarily have a significant effect on MOOC users. Based on a survey of one thousand academicians of Yogyakarta State University consisting of lecturers and students from various faculties, it turned out that only 11.3% had ever attended an online course and 28.8% had not completed the course attended. Of course this is an irony. Based on various references, there are indications of problems in the varying levels of motivation to learn from online courses, digital literacy skills, and lack of interactivity in MOOCs that are already available. In MOOC development, good management is also needed in an ecosystem to run MOOCs in a planned and sustainable manner. The purpose of this second year of research is to develop an ecosystem of adaptive MOOCs to support personalized learning. Developed with 4D method (Define, Design, Develop, Desiminate) and in this second year we focus on the develop and deciminate stages. This adaptive technology is believed to be able to support Personalized Learning (PL). Personalized learning is an educational approach that aims to tailor learning to each student's strengths, needs, skills, and interests. Each student gets a lesson plan that is based on what they know and how they learn best. The target output of this research is publication in indexed journals and IPR. This research is a development of previous prototype research which has produced 8 HaKI and 7 are still in the process of review and articles in indexed journals have been submitted and are still in the process of review. The proposed TKT is 7 i.e. a demonstration of the system prototype in an actual environment

Kata Kunci: *MOOC, Adaptive, metacognitive, Personalized Learning*