

Adaptive Learning and Knowledge Management System to Support Student Learnings Activity in Pandemic Era

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Abstract

The pandemic has an impact on all aspects of human life and activities, including learning activities. Student learning activities that should be carried out at school are forced to be done online because of regulations that limit activities outside the home which require students and teachers to carry out online learning activities. On the other hand, today's students are Generation Z who have unique characteristics that require different learning patterns from the previous generation so that online learning methods are needed that suit their needs. Adaptive learning is a teaching and learning process that is made according to the needs of students through appropriate learning resources and quick feedback and direction between teachers and students. The purpose of this research is to build an adaptive learning model to support the learning process of students and teachers during a pandemic. The research method uses a qualitative approach through literature study and observation to find out the unique character of Generation Z and relate it to their learning needs. Literature review is also used to identify alternative solutions so that the learning process for Generation Z in the pandemic era can run effectively.

Keywords

Adaptive Learning, KMS, Pandemic Era.

Biographies

Inayatulloh SE.MMSI,CDMS.CSCA is a lecturer at Bina Nusantara University, School of Information System Jakarta Indonesia and also a doctoral candidate of computer science, experienced in managing systems in the retail, automotive, convection and education industries. research domain in e-learning, e-business, e-commerce, cloud computing, IoT and block chain technology.

Destiana Kumala, S.kom, M.M., C. HR. Adm. Completed Bachelor of Information Systems Education (2009) and Master of Management with a concentration on Human Resources (2012), besides that the author has also completed training in Human Resources Administration (2021). Currently active as a permanent lecturer at STEBIS Bina Mandiri Cileungsi in the sharia business management study program and focuses on the field of management science. Apart from being the vice chairman of the academic field, the author is also a researcher in the fields of economics, management and computers