

**ONLINE DISCUSSION WITH VIRTUAL CLASSROOM METHOD AS
SUPPORTING LECTURER OF DIGITAL AIRCRAFT SIMULATORS IN
ADISUTJIPTO COLLEGE OF TECHNOLOGY YOGYAKARTA**

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ABSTRACT

E-Learning is a system or educational concept that utilizes information technology in teaching and learning process by using electronic media. Usually used for teaching and learning process within an unlimited distance. In the learning process of Digital Aircraft Simulator course using e-learning in Adisutjipto College Of Technology Yogyakarta there are some obstacles that are not easy to understand and there is no discussion facility in the material section. Based on this, e-learning with virtual classroom method is expected to overcome these problems so that the learning process can run well and effectively. In the online discussion feature with virtual classroom method there are two methods, namely synchronous and asynchronous. Based on the test using white box to 13 paths for 3 days obtained a success rate of 100%. While the test using black box obtained a success rate of 100% for the faculty and 100% for the student side is accessed using a laptop device with Windows 7 and 8 operating system. While accessed using the device Android smartphone Kitkat, Lollipop, and Oreo obtained a success rate of 80% for the lecturer side and 60% for the student side. Then the test results with Guttman scale obtained success rate close to the percentage of 92%.

Keywords: E-learning, Virtual Classroom, Synchronous, Asynchronous