Perancangan Dan Analisis Antarmuka Aplikasi *E-Learning* SMAM 02 Wuluhan Menggunakan Metode *Five Planes* (*Design and Analysis Interface of the SMAM 02 Wuluhan E-Learning Application Using the Five Planes Method*)

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ABSTRACT

SMAM 02 Wuluhan's e-learning application is a learning medium that is used to interact between teachers and students in order to convey online learning. The problem with this e-learning application is that the CBT Online feature has not adjusted according to the government's standard questions. In addition, the flow in using the application is still too long. Based on these problems, the researcher recommends the analysis and design of the interface design using Five Planes method. The Five Planes method consists of 5 elements, namely the Strategy Plane, Scope Plane, Structure Plane, Skeleton Plane, and Surface Plane. In addition, measurement of user experience is also carried out using the Usability Testing method and the System Usability Scale (SUS) Quesionare. The measurement results show that 3 aspects of user experience get good results. For aspects of satisfaction, student respondents scored 86 and teacher respondents scored 84. For the aspect of effectiveness, it gets a score of 100% for student and teacher respondents. For the efficiency aspect, student respondents got a score of 0.011 goals/second, and teacher responses got a score of 0.093 goals/second.

Keywords: *Five Planes, System Usability Scale (SUS), Usability Testing, User Interface, User Experience*