**Potential of Blended Learning to Optimize Performance Outcome, Motivation and Science Communication Skill in Physics Course**

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**ABSTRACT**

The era of Globalization exposes us to the challenge and opportunity to enhanced our human resources. One of the important skills required in the 21st century are information and communication technology (ICT) literacy. The use of ICT is realized with developed blended learning. The purpose of this paper is to develop a better understanding related to blended learning by comparing blended learning with face to face learning and online learning only. Blended learning becomes the solution to various limitations that occur in the classroom (eg time and distance). Blended learning is developed by combining various models, media and lecture delivery to improve the success of learning goal. The application of blended learning based on multimedia, whether it is video, audio or interactive media will enhance conceptual understanding as one of the most important performances outcome in physics learning. On the other hand, the online discussion grub in blended learning can improve their scientific communication skills, the ability to argue with more confidence, including improving the written communication skills of science. The statment above can improve of motivation for the learners to study physics subject.

**Keywords**: Blended Learning, Performe Outcome, Motivation, Science Comunication Skill