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Profile of Junior High School Students' Constraints in Online Science Learning

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ABSTRACT

This research aims to determine the online learning constraints of Junior High School students in Nganjuk on science subjects. The change in learning methods that were originally carried out face-to-face to online learning experienced several obstacles such as internet connection, lack of enthusiasm for learning, difficult materials, unclear teaching materials, and teacher's teaching methods. The type of this research is descriptive survey research, the data of this research was obtained from 70 junior high school students in Nganjuk. The data collection technique in this research was a questionnaire (questionnaire) while the instrument used in this research was an online Google Form questionnaire, which is distributed through the WhatsApp application. The data analysis technique used in this research is descriptive analysis. The results showed that the most common obstacle felt by junior high school students in Nganjuk was the lack attractiveness of teaching materials.

INTRODUCTION

Nowdays, we face a different way in live. In 2020, the whole world underwent massive changes due to the emergence of the Covid19 virus which was discovered in Wuhan, China at the end of 2019 (Onyema et al., 2020). This virus causes the failure of the human respiratory system and spreads so fast, it can even cause death. Until now, there is no definite information about where the virus came from. Every country chooses to do *lockdown* and *social distancing* to avoid the spread of the virus. This decision caused various sectors to be paralyzed, including the education sector (Wijaya et al., 2020).

As of 29 June 2020, more than one billion students, or 61% of the global student population, were affected by school closures (UNESCO, 2020). Schools have been forced to stop face-to-face sessions in class and are gradually shifting to online learning. In Indonesia, the Ministry of Education and Culture on March 24, 2020 issued Circular No. 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of *Coronavirus Disease* (Covid-19), one of which states that learning activities are carried out from home through online learning to provide meaningful learning experiences to students and complete learning objectives. Teachers who are accustomed to face-to-face lectures in class need to adapt to online learning that can be done synchronously or asynchronously (Landicho, 2021).

Online learning is one form of learning method by using the internet, that can increase the role of students in the learning process (Saifuddin, 2018). Several institutions have experimented with online learning systems such as e-learning before the pandemic. Based on this, there are several benefits of online learning, such as

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