ABSTRACT

Tri Suryani, 2020. The Use of Google Classroom in Virtual Learning Class during COVID-19 Era to Improve Students' Learning Outcomes in Plant Network System Materials. Pembimbing I Dr. Cartono, M.Pd., M.T dan Pembimbing II Mimi Halimah, S.Pd., M.Si

The research was conducted based on the background of the low learning outcomes achieved by the students is 63, while the Minimum completeness criteria in Biology class is 77. During the COVID-19 pandemic, all of the process of teaching and learning is done through online learning, in this case using Google Classroom Application. The aim of the research is the prove the students' learning outcomes in Plant Network system materials by using Google Classroom in online learning class during COVID-19 pandemic. Pre-Experimental design with one group pretest-posttest was used in this research invilving one class experiment selected by purposive sampling. The result of the study showed the average of pretest is 55,23 and the average of posttest is 81,16. The result of t test the study showed the significant differences between pretest and posttest with the sig. (2-tailed) result is 0,000 which means it is smaller than significant level 0,05. In addition, the Gain test result showed the average 0,57 in medium category. The result pretest, posttest, t test and N-Gain also the result of observation sheet analysis showed that the implementation of Google Classroom in online teaching and learning is very effective, as evidenced by the average of all learning activities carried out by the students is 84,44%. The result of the questionnaire showed that most of the students showed a positive response in teaching and learning process. The result of the study showed that there is a significant improvement of the students' learning outcomes in Plant Network system materials in Biology class after using Google Classroom in online learning class during COVID-19 pandemic era.

Keywords: Google Classroom, Online Learning, Learning Outcomes, Plant Network system