

ABSTRACT

Syahana Sabila Fajriah Bintang, IDN 4203141044. (2024). Analysis of Eligibility and Usefulness Biology Students' Worksheet on Biological Technology Innovation Topic in Class X MAN 1 Medan.

This study aims to analyze the eligibility, completeness, and usefulness of student worksheets, and student learning activities using student worksheets. This research is a qualitative study through case and document studies. The present study employed a case study and document study. The case study focused on teachers and students, while the document study is to analyzed biology student worksheets. The results of the eligibility and completeness of student worksheet components were obtained based on the eligibility and completeness questionnaire with the specified indicators. The results of the usefulness of student worksheet were obtained through student and teacher response questionnaires. The results of student learning activities were obtained through observations of student learning activities using observation sheets that were designed based on the indicators of the Understanding by Design (UbD) approach. The results indicated that the eligibility of student worksheets was in the less eligible category with a score of 50. The completeness of student worksheet components in the complete category with a score of 80. The usefulness of student worksheets for students in the useful category with a score of 67,77. The usefulness of student worksheets for teachers in the useful category with a score of 78,55. And student learning activities using student worksheets in the inactive category with a score of 5,84.

Keywords : Analysis, Teaching materials, Student worksheet, Merdeka curriculum