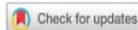




Validity and Practicality of Learning Resources Flipbook Identification of Basidiomycota Mushrooms for Senior High School Students

Fajrul Fath¹, Sifak Indana², Tukiran³
^{1,2,3} Universitas Negeri Surabaya, Surabaya, Indonesia



DOI : <https://doi.org/10.46245/ijorer.v2i6.174>

Sections Info

Article history:

Submitted: November 3, 2021
 Final Revised: November 17, 2021
 Accepted: November 28, 2021
 Published: November 30, 2021

Keywords:

Basidiomycota
 Effectiveness
 Flipbook type e-book
 Validity



ABSTRACT

The aim of this research is to describe validity flipbook type e-book in terms of the feasibility content, language, and display; and describe the practicality of an e-book in terms of an implementation observation. The method used in this study is a modified research and development method and was carried out at the Postgraduate Science Education, the State University of Surabaya in February 2020 - August 2021. The data collection technique was carried out using the validation method and the implementation observation method. The assessment instrument uses a validation sheet and an implementation observation sheet. The validity of the flipbook type e-book is reviewed from the feasibility of the content, the feasibility of the language, and the feasibility of the display. The validity of the flipbook-type e-book was assessed by three validators which included two biology lecturers and one biology teacher. For practicality, use the implementation observation sheet in terms of the use of flipbooks during the learning process. The observation sheet contains statements that will be filled out by four observers. Data analysis was carried out quantitatively. The developed e-book was tested on 20 students of class X Senior High School students in August 2021. The validation results of the flipbook type e-book by three validators obtained an average score of 3.84 with a very valid category. Based on practicality in terms of implementation, flipbooks get an average percentage of 87.2%. Thus, the flipbook-type e-book on the identification of *Basidiomycota* fungi is declared valid and practical.

INTRODUCTION

Curriculum 2013 is a curriculum that requires students to be active during learning, think critically, and find a concept by using their knowledge and skills. Biology learning activities in the 2013 curriculum are limited to mastering the material and include finding concepts based on facts that exist in nature. Biology is a lesson that applies the knowledge that has been obtained about living things and their relationship with the environment. One of the materials in biology learning contained in the 2013 curriculum syllabus is Mushroom material. The material for fungi or fungi in the revised 2013 curriculum is organized in Basic Competencies (i.e. KD) 3.7, namely Grouping fungi based on characteristics, reproduction methods, and linking their roles in life and 4.7 Presenting reports on the results of investigations on the diversity of fungi and their roles in life. One of the factors that influence the achievement in completing the KD is learning resources. It is due to learning resources as a support and means of learning aids for students in learning activities. Awaludin (2017) states that teaching materials are part of learning tools for teachers or lecturers to improve student learning outcomes.

In connection with the use of these learning resources, it is obtained that so far, the Mushroom material still does not have teaching materials specifically made to achieve the predetermined Basic Competencies. Learning resources owned by students are still

ORIGINALITY REPORT

15%

SIMILARITY INDEX

11%

INTERNET SOURCES

6%

PUBLICATIONS

2%

STUDENT PAPERS

PRIMARY SOURCES

1

moam.info

Internet Source

2%

2

jurnalmahasiswa.unesa.ac.id

Internet Source

2%

3

D M Pahlifi, H Nurcahyo. "The Effect of Android-based Pictorial Biology Dictionary on Students' Motivation on Topic of Invertebrate", Journal of Physics: Conference Series, 2019

Publication

1%

4

lib.unnes.ac.id

Internet Source

1%

5

journal.ia-education.com

Internet Source

1%

6

rjoas.com

Internet Source

1%

7

Submitted to Universitas Negeri Surabaya The State University of Surabaya

Student Paper

1%
