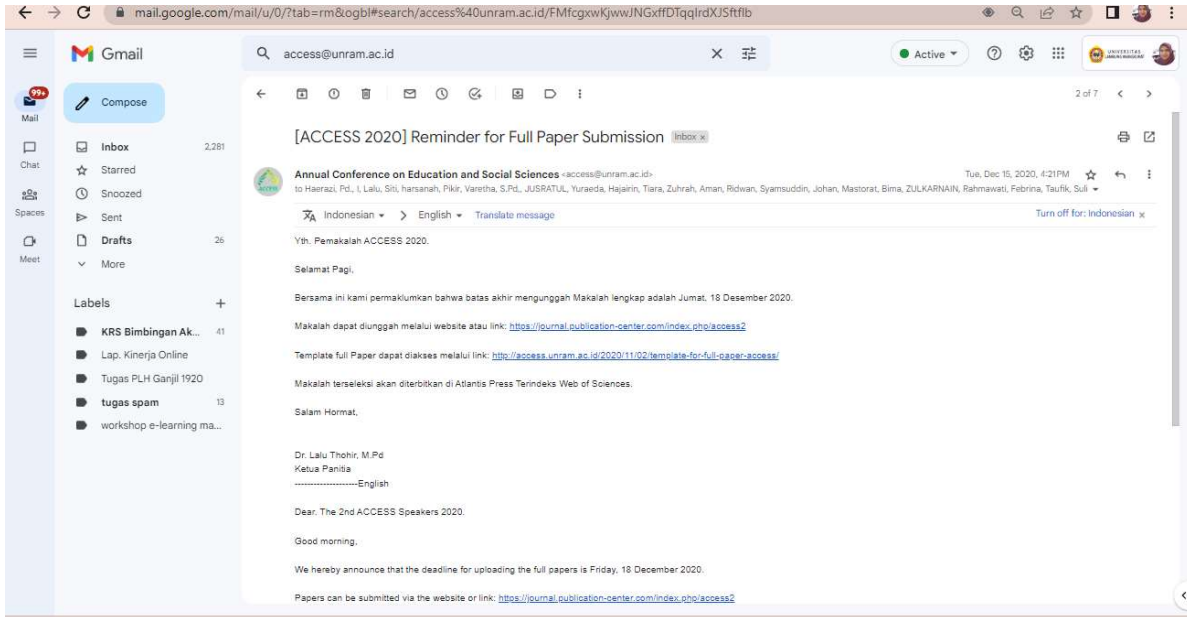


Korespondensi Artikel Ilmiah

Feasibility Student's Worksheet-Based Scientific Approach on Interaction of Living Things Material

Chairil Faif Pasani & Ratna Yulinda



The 2nd ACCESS 2020

Feasibility of Student's Worksheet-based Scientific Approach on Interaction of Living Things Material

Abstract

This study aims to produce a valid student worksheet based on the scientific approach to develop the character of curiosity, responsibility, and environmental care of junior highschool on the interaction of living things material. This research is a development research using the Research and Development (R&D) model developed by Thiagarajan. This Research and Development (R&D) involved expert validators and school practitioners to review student worksheet format, language, and content. The results show that the student's worksheet been developed is feasible to use in learning to develop student characters.

Keywords: *feasibility*, student's worksheet, scientific, student characters

INTRODUCTION

Science material in curriculum 2013 is leading to "integrative science" learning concept based on behaviorism theory, information gaining theory, and cognitive psychology theory (constructivism). In curriculum 2013, high school science learning materials expecting the achievement of learning goals and competence after individual learning. The objective gains when a teacher can create a suitable learning situation due to the students' and material characters in the shape of a learning model with supportive sources and tools [28,29]. The government through the education ministry has prepared textbooks as learning guidance contained with learning materials and students' worksheets in the implementation of

Comments

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Sampaikan penelitian ini sampai pada tahap pengembangan yang mana? sampaikan hasil penelitian yang menjadi topik utama/ tran dan munculkan novelty.

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This study aims to produce a valid student worksheet-based on the scientific approach to develop the character of curiosity, responsibility, and environmental care of junior highschool on the interaction of living things material. This research is a development research using the Research and Development (R&D) model develop by Thiagarajan. This Research and Development (R&D) involved expert validators and school practitioners to review student's worksheet format, language, and content. The results show that the student's worksheet has been developed is feasible to use in learning to develop student characters.

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INTRODUCTION

Science material in curriculum 2013 is leading to "integrative science" learning content based on behaviorism theory, information gaining theory, and cognitive psychology the (constructivism). In curriculum 2013, high school science learning materials expecting achievement of learning goals and competence after individual learning. The objective given when a teacher can create a suitable learning situation due to the students' and material characters in the shape of a learning model with supportive sources and tools [28,29]. The government through the education ministry has prepared textbooks as learning guides contained with learning materials and students' worksheets in the implementation of curriculum 2013. So the teachers can use LKPD in the science textbook published by the Educational Ministry.

Permata said that the learning process must be able to increase the creativity of learners so that they more honed skills and produce output that is easy to the challenges of the 21st century[31]. One of the very important things to prepare the learning is the right material to inform and it has to be suitable with the basic competency. It includes all supportive materials in the classroom learning process. There are many types of learning materials such as lesson books, modules, handouts, students' worksheets, etc. Paniwati and Permata said that learning materials that have been designed then need to be evaluated, one of them by giving the problem to the learners[21].

Students' worksheet is one of the media to help the learning process in to create

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Practicality students worksheet test result

The results of the students' worksheet practicality test can be seen in the table below:

Table 5. Practical Students Worksheet Expectation

Resp.	1	2	3	4	5	6	7	8	9	10	Score	Percentage	Criteria
1	4	4	5	4	4	5	4	2	5	5	42	84	Strongly agree
2	4	4	5	4	4	5	4	2	5	5	42	84	Strongly agree
3	4	4	4	4	4	5	4	2	5	5	41	82	Strongly agree
4	4	4	4	4	4	5	4	4	4	5	42	84	Strongly agree

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5	4	4	4	4	4	5	4	4	4	4	41	82	Strongly agree
6	4	4	4	4	4	5	4	4	4	4	41	82	Strongly agree
7	4	4	4	4	4	5	4	4	4	4	41	82	Strongly agree
8	4	4	4	4	4	4	4	4	4	4	40	80	Agree
9	4	4	4	4	4	4	4	4	4	4	40	80	Agree
10	4	4	4	4	4	4	4	4	4	4	40	80	Agree
Total Score											410		

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2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

care characters with very feasible criteria and percentage 94,46%. These results illustrate that the development of student worksheet-based scientific approach can be carried out in other materials even by providing a national character content, in this case, curiosity, responsibility, and environmental care. This students' worksheet providing opportunities for a student to be directly involved in learning activities and building character value.

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January 21, 2021

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"Feasibility of Student's Worksheet-based Scientific Approach on Interaction of Living Things Material"

Written by "Chairil Faif Pasani, Ratna Yulinda"

has been ACCEPTED and will be proceeded to be submitted in Advances in Social Science, Education and Humanities Research by Atlantis Press.

Related to your paper acceptance, you need to complete the payment of IDR 2,500,000 for the publication. Please transfer the publication fee to: 0895666356 (Percepatan Publikasi/BNI) no later than January 25, 2020.

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