



Development of Smart Kids Worksheet Teaching Materials on Pancasila Materials Based on Local Wisdom

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Abstract

This study aims to develop teaching materials for smart kids worksheets on Pancasila based on local wisdom. This research is motivated by the lack of teaching materials in understanding Civics subjects on Pancasila material. The method used is the Research and Development (R&D) method using the Analysis, Design, Development, Implementation, Evaluation (ADDIE) model. The subjects in the study were grade 2 students at SD Negeri 1 Cisantana, Cigugur District, Kuningan Regency. The results showed that the smart kids worksheet teaching materials were very valid based on the calculation results of linguists with an average score of 90%, material experts with an average score of 92%, and media experts with an average score of 94%. The results of the practicality test of teachers obtained an average of 93.3%, and the results of trials carried out in small groups obtained 96.6% and in large group trials obtained a score of 95%, this indicates a high level of practicality in both groups. The results showed that the worksheet smart kids teaching materials developed with the ADDIE model were valid and practical to be applied to Civics learning.

Keywords: R&D; Teaching Materials; Smart Kids worksheets; Pancasila; Local Wisdom.

Abstract

Penelitian ini bertujuan untuk mengembangkan bahan ajar worksheet smart kids pada materi pancasila berbasis kearifan lokal. Penelitian ini dilatarbelakangi oleh kurangnya bahan ajar dalam memahami mata pelajaran PPKn pada materi pancasila. Metode yang digunakan yaitu metode Research and Development (R&D) dengan menggunakan model Analysis, Design, Development, Implementation, Evaluation (ADDIE). Subjek pada penelitian adalah peserta didik kelas 2 SD Negeri 1 Cisantana, Kecamatan Cigugur, Kabupaten Kuningan. Hasil penelitian menunjukkan bahwa bahan ajar worksheet smart kids sangat valid berdasarkan hasil perhitungan ahli bahasa dengan rata-rata skor 90%, ahli materi dengan rata-rata skor 92%, dan ahli media dengan rata-rata skor 94%. Adapun hasil uji coba kepraktisan guru memperoleh rata-rata 93,3%, dan hasil uji coba peserta didik yang dilakukan pada kelompok kecil memperoleh 96,6% serta pada uji coba kelompok besar memperoleh skor 95%, hal ini menunjukkan kategori tingkat kepraktisan tinggi pada kedua kelompok. Hasil penelitian menunjukkan bahwa bahan ajar worksheet smart kids yang dikembangkan dengan model ADDIE valid dan praktis untuk diterapkan pada pembelajaran PPKn.

Kata Kunci: R&D, Bahan Ajar, Worksheet Smart Kids, Pancasila, Kearifan Lokal

INTRODUCTION

Education according to (Nurkholis, 2013) is an effort to mature humans through teaching and training, behavioral processes, and guiding ways to change attitudes and behavior of individuals or groups of people. Education is regulated in Undang-Undang RI Nomor 20 Tahun 2003 chapter I article 1 paragraph 2, explains that national education is education based on Pancasila and the Constitution of the Republic of Indonesia

1945, rooted in religious values and Indonesian culture and understanding the demands of the times.

Quality of education according to (Aziz, 2015) are two words that come from quality and education, which means it leads to the quality of products produced by educational institutions or schools. Professional teachers really need to be improved in order to create students with character and achieve national education goals. Improving the professional

abilities of teachers can be done by procuring adequate facilities in schools, such as teaching materials, laboratory equipment, providing and utilizing instructional media and others (Usman, 2016).

Improving the quality of education requires reforms to the quality of education in Indonesia, creating students with character and creating students with character and creating a country with quality talents (Haniah et al., 2020), as stated in Surah Ar-Ra'd verse 11 which means: "...Indeed Allah does not change the condition of a people so that they change things that are in themselves."

The problem that is often faced by teachers in learning activities is how to choose or identify the right teaching materials for students in order to help achieve their abilities. Therefore, it is important for teachers to develop teaching materials so that the learning process can run more effectively and teachers can guide students to understand learning materials and teachers are not teachers but also facilitators (Kalina, 2009).

Majid (in Sriyanto, 2019) the form of teaching materials is divided into four groups, namely printed materials such as handouts, books, modules, student worksheets; audio-visual teaching materials, such as videos or films; interactive teaching materials such as interactive media. The innovation made to overcome this problem is to make teaching materials based on local wisdom, so that students will know the local culture of Indonesia. This innovation aims to overcome today's problems, namely the lack of knowledge about the culture of the area where students live. This has an impact on children not recognizing their identity as Indonesian citizens in the future.

Researchers will develop smart kids worksheets for Pancasila based on local wisdom. This study took Pancasila material because in a journal written by Situru with the

title "Pancasila and the Challenges of the Present" explained that Pancasila is very important because it contains Pancasila values that can create a better generation of children by implementing the values contained in the Pancasila. Pancasila. One of the values contained in Pancasila is social value. Values in this social field include local cultural wisdom in Indonesia. Changes in the Citizenship Education curriculum are very important in the world of education, because the ideals in the education world of the Republic of Indonesia are towards *smart and good citizens* in the future (Santoso, 2015).

The selection of the Smart Kids worksheet is due to its content which presents the material in a concise and structured manner, making it easier for the teacher to convey it to students. This smart kids worksheet includes games that students can play to motivate themselves to learn and there are practice questions that can improve students' abilities to solve various types of problems. The development of smart kids worksheets focuses on Pancasila and Citizenship Education (PPKn) subjects for Pancasila. Civics is one of the lessons contained in the 2013 curriculum in elementary schools (SD). Civics learning in elementary school is very important because it is one of the right tools to implement the value of character building for students.

The scope of material in this Civics learning includes 4 substances that will be integrated into a number of basic competencies, which include Pancasila, the 1945 Constitution of the Republic of Indonesia, the Unitary State of the Republic of Indonesia (NKRI), and Bhinneka Tunggal Ika (Gandamana & Simanjuntak, 2018). This smart kids worksheet refers to Pancasila material, because Pancasila material is the basis of the Indonesian state in which there is a strengthening of Pancasila values.

Local wisdom according to (Rachmadyanti, 2017) is all forms of intelligence based on good values that have been believed, practiced, and maintained from time to time by a group of people in a certain environment or area where they live. Local wisdom is very important in the learning process that occurs in the classroom, especially for elementary school students. This begins with the introduction of knowledge of local wisdom that is easily understood by students. Learning based on local wisdom aims for students to be able to preserve and shape regional personalities to explore regional potential.

The way to realize Civics learning that is in accordance with the nature of Civics learning needs to be developed using a Civics learning tool, one of which is realized through a *smart kids worksheet* with Pancasila material based on local wisdom. Based on this explanation, the author intends to conduct a research entitled "Development of Smart Kids Worksheet Teaching Materials on Pancasila Materials Based on Local Wisdom".

RESEARCH METHODS

research on the development of *smart kids worksheets* uses the *Research and Development method*. This research uses the ADDIE model. This procedure will provide instructions for the process carried out from the beginning of the plan to the end of the process of making teaching materials. This product development uses the ADDIE model developed by Dick and Carey in product-oriented with 5 stages as follows (see **Figure 1**):

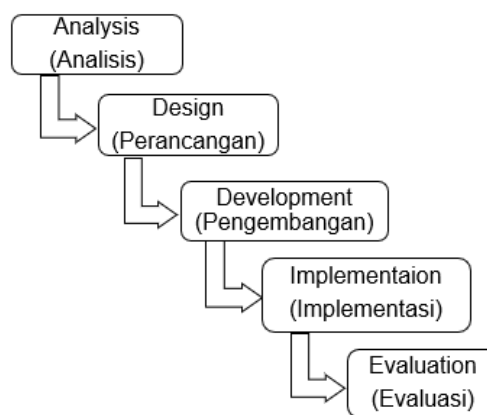


Figure 1. ADDIE Model Chart

The data analysis technique in the expert test and the practicality test of the teacher uses a Likert scale which has 5 stages (see **table 1, 2, and 3**).

Table 1. Likert scale

Very Valid (SV)	Valid (V)	Sufficiently Valid (CV)	Invalid (TV)	Very Invalid (STV)
5	4	3	2	1

The formula used in the data analysis technique is:

$$P = \frac{\text{Skor total jawaban angket}}{\text{Skor total idel angket}} \times 100\%$$

$$P = \text{Presentase penilaian skor}$$

$$\text{Skor total ideal angket} = \text{skala tertinggi} \times \text{jumlah responden}$$

The validity of a product can be determined by the table below.

Table 2. Score Eligibility Criteria

No	Score Interval (%)	The final result
1.	80% < P ≤ 100%	Very valid
2.	60% < P ≤ 80%	Valid
3.	40% < P ≤ 60%	Quite Valid
4.	20% < P ≤ 40%	Invalid
5.	0% < P ≤ 20%	Very Invalid

Source: Riduan Dalam (Jannah, 2017) which has been modified

The analysis technique of students uses the Guttman scale table. The Guttman scale in processing the questionnaire data, namely for the answer "yes" is given a score of one, while for the answer "No" is given a score of zero with the provisions put forward by

regarding the Guttman scale, the provisions are as follows:

$$P = \frac{\sum \text{Jumlah skor}}{\text{jumlah skor maksimal}} \times 100\%$$

The results of the calculations that have been obtained from the results of the student response questionnaires are interpreted in categories based on those quoted:

Table 3. Criteria for Eligibility Score

Rating Presentation	Interpretation
67% - 100%	Tall
34% - 66%	Currently
0% - 33%	Low

RESULTS AND DISCUSSION

This research was conducted at SDN 1 Cisantana. The reason the researchers conducted this research at SDN 1 Cisantana was because it was in accordance with the needs of smart kids worksheets based on local wisdom in Pancasila material and there was still a lack of good character in students. The steps for developing the ADDIE model have been simplified in the development process, which are described as follows:

1. *Analysis* (Analysis)

Analysis of needs in the learning process by observing learning. The results of observations at SDN 1 Cisantana that teachers use lesson plans are still limited during the learning process. This lesson plan is very important in learning, because by making this lesson plan it can be adjusted to the talents, interests, and development of students, so that they can achieve learning goals well.

The analysis of the curriculum at SDN 1 Cisantana uses the 2013 curriculum. The subjects analyzed are Civics subjects for Pancasila material in grades 1 and 2 in semester 2. The making of smart kids worksheets for Pancasila materials based on local wisdom follows competency

standards and achievement indicators according to the syllabus. Pancasila material used at SDN 1 Cisantana. The researcher also used the 2013 curriculum teacher and student handbooks used in the school as a reference in making smart kids worksheets which would later be combined with the local wisdom of Cisantana Village.

The analysis of the students carried out showed that the students had relatively the same age in one class, in thematic learning, especially in Civics subjects, there were still students who did not know the symbols and sounds of the Pancasila precepts.

2. *Design* (Planning)

The initial stage in designing the concept is to determine the contents of the Smart Kids worksheet. This Smart Kids worksheet will contain material that is packaged in the form of short stories in order to make it easier for students to understand Pancasila material because the material is packaged in the form of daily stories that students experience, then there are games that can be done by students so that students are not bored in learning. .

The design of smart kids worksheets for Pancasila materials is based on local wisdom, in the early stages of making materials and so on as well as collecting images which will later be made through the Canva application.

3. *Development*

The researcher developed the smart kids worksheet teaching materials as a whole based on the designs that had been made previously.

a. Smart kids worksheets Pembuatan

- 1) Creating a smart kids worksheet design concept starts from the cover, introduction, table of contents, core competencies, basic competencies,

materials, games, summaries, regional information, and stickers.

- 2) Make instructions or steps for using the smart kids worksheet so that teachers and students can understand in using the *smart kids worksheet teaching materials* which explains the sequence of educators in teaching material to students and explains the sequence of students in studying the material contained in the smart kids worksheet teaching materials (see **Figure 2**).



Figure 2. Smart Kids Worksheet Cover

- 3) Making short, solid, and clear stories that contain the main material according to the formulation of core competencies, basic competencies as indicators that must be achieved by students. The subject matter is modified by using a story containing characters played by several characters in the story (see **Figure 3**).



Figure 3. Materials Packaged in the Form of Stories

- 4) Making a summary or summary of the material in each discussion that is useful as a means to assist students in

remembering the contents of the smart kids worksheet teaching materials. This summary is packaged in a colorful and concise form (see **Figure 4**).



Figure 4. Summary/Summary of Material

- 5) Making games in accordance with the material described, then at the end of the discussion there are evaluation exercises. This evaluation question contains a series of questions that are presented to students to measure the abilities they have acquired following the learning process (see **Figure 5**).



Figure 5. Games contained in the Smart Kids Worksheet

- 6) Making information in the form of local wisdom in Cisantana Village as a form of increasing students' knowledge about local culture in Indonesia. Knowledge of local wisdom can be useful so that local knowledge remains attached to students in the area where they live (see **Figure 6**).



Figure 6. Information on Local Wisdom of Cisantana Village

- 7) Print an A4 size smart kids worksheet with paper made from art paper and can be viewed in the form of a website by scanning the barcode on the cover of the smart kids worksheet.

b. Validation

The smart kids worksheet on Pancasila based on local wisdom was validated by validators, linguists, material experts, media experts, and one classroom teacher practitioner.

4. Implementation

The implementation phase is carried out at SD Negeri 1 Cisantana. Trial data retrieval the researchers conducted a trial in 2 stages, namely a small group trial of 5 students and a large group trial of 15 students. Researchers conducted trials in grade 2 and randomly selected students in one group.

5. Evaluation (Evaluation)

The last stage is the evaluation stage, at this stage researchers make product improvements that have been validated and tested for practicality by class teachers and students. Product development is adapted to the advice given by validators and practitioners. Researchers conducted data processing as follows:

Researchers conducted product validation tests with experts before conducting product trials. The expert

validation that the researcher uses is linguistic expert validation, material expert validation, and media expert validation. The results of the validation calculations are shown in the **Table 4** below.

Table 4. Expert Validation Results

No	Validator	Expert	Score	(%)	Category
1	Validator 1	Language	45	90%	Very Valid
2	Validator 2	Theory	46	92%	Very Valid
3	Validator 3	Media	47	94%	Very Valid
Average			138	92%	Very Valid

Based on the table above, the overall percentage of the experts' assessment is 92% with a very valid category (see **Table 5**).

Table 5. Teacher Practicality Trial Results

No Question Items	Score	%	Category
1	4	80%	Tall
2	5	100%	Very high
3	5	100%	Very high
4	5	100%	Very high
5	4	80%	Tall
6	5	100%	Very high
7	4	80%	Tall
8	5	100%	Very high
9	4	80%	Tall
10	5	100%	Very high
11	5	100%	Very high
12	5	100%	Very high
Amount	56	93.3%	Very high

The results of filling out the questionnaire on the practicality test of teachers got an average score of 93.3% with a very high category.

After conducting a research expert test and a teacher practicality test, the researcher conducted a user trial, namely a small group trial and a large group trial (see **Figure 7**).



Figure 7. Test Results

Based on the table above, the results of the small group trial questionnaire as a whole are 96.6% with a high practicality category, and the large group trial gets an average score of 95%.

CONCLUSION

Based on the research results, the development of *smart kids worksheets* was carried out in several stages, namely the analysis *stage*, the design stage, the development stage, the implementation stage, and the evaluation *stage*. The results of the assessment from linguists are 90% with very valid categories, material experts are 92% in very valid categories, and media experts are 94% in very valid categories. The teacher practicality test got an average score of 93.3% in the very practical category, while for the small group trial it got an average score of 96.6% in the high category, and the large group trial got an average score of 95% in the high category.

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