Media Development of Video Learning in the Social Discussion of Social Problems in Social Science (IPS) Lesson of Class IV in Public Elementary School (SDN) 135911 Tanjungbalai Academic Year 2018-2019

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Abstract: In material social problems, students have difficulty digesting and identifying social problems in their surrounding environment. One alternative so that learning can take place efficiently and easily understood is to use learning video media. The subjects of this study were all fourth grade students of Public Elementary School (SDN) 135911 Tanjungbalai. The result shows that the development of learning video media was validated by 3 experts namely material experts, linguists and media experts. Appraisal by material experts obtained a value with a very good category (93%), the assessment by linguists obtained a value with a very good category (92.22%) and the assessment by media experts obtained a value with a good category (87.37%). A total of 9 students (45%) gave a very good assessment of the learning videos developed and as many as 11 students (55%) gave a good assessment of the learning videos developed and the learning video media were considered to be feasible to be developed.

Keywords: media; video learning; social discussion; social science (IPS); public elementary school 135911 Tanjungbalai

I. Introduction

Learning that is supported by interesting media such as the use of video media can facilitate the achievement of learning goals for elementary school students. Primary school students are required to develop their potential actively to have religious spiritual strength, self-control, personality, intelligence, noble character, and the necessary skills.

Besides that elementary school students are also expected to be able to recognize social problems in their environment so that good values of character can be embedded in elementary school students. Social problems are one of the social studies learning materials in grade IV elementary school. A good introduction to social problems is very important for elementary school students because with a good introduction, the purpose of education to create a generation of noble character will be achieved.

The subject of social problems found in social studies learning material for fourth grade students in elementary schools requires interesting media support, so that the goals of learning can be achieved. The main purpose of Social Sciences is to develop the potential of students to be sensitive to social problems that occur in the community, have a positive mental attitude towards the improvement of all inequalities that occur and skilled in overcoming the problems that occur daily both for themselves and the community. This goal can be achieved when social studies programs in schools are well organized.

Based on observations made at Public Elementary School (SDN) 135911 Tanjungbalai in grade IV students, students have difficulty in accepting social studies in the classroom, especially on the subject of social problems. Students find it difficult to identify social problems in their surroundings. This is because the delivery of material that is only supported by the media uses images so that it is less attractive to students, besides that the learning atmosphere...
that is less conducive influences students' interest in understanding the learning provided by
the teacher. Ideally on material social issues, the teacher must introduce directly to students in
real terms the material in question. But the reality is in Public Elementary School (SDN)
135911 Tanjungbalai City for fourth grade students, this video media has not been used because
there are no videos available at the school.

This needs to be given more attention by each teacher, in order to always try to create a
conducive, interesting and not boring classroom atmosphere for students so that students
become more enthusiastic and active in learning. One way is to use learning video media.

In material social problems, students have difficulty digesting and identifying social
problems in their surrounding environment. One alternative so that learning can take place
efficiently and easily understood is to use learning video media. The researcher chooses
learning video media because learning videos can display information that students may not
realize that this is part of social problems.

II. Review of Literature

2.1 Learning

According to Law No.20 of 2003 concerning the National Education System, learning is
the process of interaction between students and educators and learning resources in a learning
environment. Learning in essence is closely related to how to build good interactions between
two components, namely teachers and students. Good interaction can be described in a
condition where the teacher can make students learn easily and motivated by their own
willingness to learn what is in the curriculum as their needs.

Learning is all efforts made by the teacher (educator) so that the learning process occurs
in students. Implicitly, in learning there are activities to choose, set and develop methods to
achieve the desired learning outcomes. During the learning process, the teacher's main task is
to condition the learning environment to support behavior changes for students (Sutikno, 2009).

Effective learning processes require the skills of a teacher in choosing the right method.
The choice of method is directly related to the efforts of the teacher in presenting learning in
accordance with the situation and conditions so that the achievement of learning objectives is
obtained optimally. Therefore, the most basic thing that needs to be understood is how to
understand the position of the method as one component for the success of learning activities
(Setiawan, 2016).

2.2 Learning Video Media

Media in the teaching and learning process tends to be interpreted as graphical,
photographic, or electronic tools to capture, process, and reconstruct visual or verbal
information. Media education is used in the context of communication and interaction between
teachers and students in the learning process. Learning media can clarify the presentation of
messages and information so as to facilitate and improve learning processes and outcomes
(Mufarokah, 2009).

Video is images in a frame where frame by frame is projected through the projector lens
mechanically so that the screen shows that the image is alive. This media is generally used for
entertainment, documentation and education purposes. Videos can present information, explain
processes, explain complex concepts, teach skills, abbreviate or extend time, and influence
attitudes.
According to Ablan (2003) the video is able to capture 94% of the channels of entry of messages or information into the human soul through the eyes and ears and is able to make people in general remember 50% of what they see and hear from program shows. Messages delivered through video media can influence strong emotions and can also achieve fast results that other media do not have.

According to Riyana (2007) learning video media is a media that presents audio and visuals that contain learning messages that contain concepts, principles, procedures or theories of application of knowledge to help understanding an instructional material. Video is a visible listening material (audio visual) that can be used to convey messages / subject matter. It is said that it looks like listening to audio (audio) and visual / video elements (visible) can be presented simultaneously.

2.3 Social Sciences (IPS) Education Objectives

The purpose of IPS education is to educate and provide basic skills to students to develop themselves according to their talents, abilities and environment as well as various provisions for students to continue their education to a higher level (Trianto, 2010). Furthermore, Trianto (2010) also stated that the main goal of social science is to develop the potential of students to be sensitive to social problems that occur in the community, have a positive mental attitude towards improving all inequalities that occur and skillfully overcome any problems that occur daily that afflicts itself and afflicts the community.

III. Research Methods

This research was conducted at Public Elementary School (SDN) 135911 which was located at Haji Adam Malik Street, Sijambi City, Tanjungbalai. The subjects of this study were all fourth grade students of Public Elementary School (SDN) 135911 Tanjungbalai.

The instruments used in this study were questionnaires or questionnaires containing questions or statements that must be answered by the research subjects. The instrument was developed using a Likert scale with 5 scales. The lowest score is given a number 1 and the highest score is given a score of 5.

The instruments in this study were questionnaires given to material experts, media experts, subject teachers and fourth grade students as respondents.

The grid of feasibility instruments for learning video media can be seen in the following table:

| No. | Assessment Aspect | Indicator | Item No. |
|-----|------------------|-----------|---------|
| 1   | Making           | a. Form of writing | 1,2     |
|     |                  | b. Writing color  | 3       |
|     |                  | c. Writing size   | 4       |
|     |                  | d. Writing color composition | 5 |
|     |                  | e. Image shape    | 6       |
|     |                  | f. Image selection| 7,8     |
|     |                  | g. Color with background writing | 9,10 |
|     |                  | h. Musical accompaniment | 11,12 |

Table 1. Grid of Instruments for Feasibility of Learning Videos Viewed from Media Aspects
Instruments for the feasibility of learning videos in terms of material aspects are addressed to experts in social studies learning materials in the form of closed questionnaires, namely questionnaires containing statements that expect respondents to choose one alternative answer from each available statement. Questionnaire for material experts contains suitability of learning media seen from material relevance and usefulness. The grid of material feasibility instruments can be seen in the following table:

**Table 2. Grid of Instruments for the Feasibility of Learning Videos Viewed from Material Aspects**

| No. | Assessment Aspect | Indicator | Item No. |
|-----|-------------------|-----------|----------|
| 1.  | Relevansi Materi | a. Compatibility of material with syllabus | 1 |
|     |                   | b. Compatibility of material with learning objectives | 2 |
|     |                   | c. Compatibility of material with competency standards | 3, 4, 5 |
|     |                   | d. Completeness of material | 6 |
|     |                   | e. Material sequence | 7, 8 |
|     |                   | f. Writing format | 9 |
|     |                   | g. Image selection accuracy | 10, 11, 12 |
|     |                   | h. Music illustration | 13, 14 |
|     |                   | i. The component image is easy to understand | 15 |
|     |                   | j. The accuracy of animation in explaining material | 16 |
|     |                   | k. Material disorder | 17 |
| 2.  | Benefits          | a. Facilitate the learning process | 18, 19 |
|     |                   | b. Material is easy to understand | 20 |

Source: Riyana (2007)

The instrument for the feasibility of learning videos in terms of aspects of student opinions includes aspects of material content, screen design and usefulness. The contents of the learning video feasibility instrument are reviewed from the opinions of students can be seen in the following table:
Table 3. Grid of Instruments for Feasibility of Learning Videos Viewed from Student Opinions

| No. | Assessment Aspect | Indicator                                      | Item No. |
|-----|-------------------|------------------------------------------------|----------|
| 1.  | Material Aspects  | a. Completeness of material                     | 1        |
|     |                   | b. Material clarity                             | 2        |
|     |                   | c. Material disorder                            | 3        |
| 2.  | Media Aspects     | a. Image selection accuracy                     | 4        |
|     |                   | b. Animation accuracy                           | 5        |
|     |                   | c. Accuracy of music / song accompaniment       | 6        |
|     |                   | d. Level of ease of understanding               | 7        |
|     |                   | e. Writing size                                 | 8        |
|     |                   | f. Narrator voice clarity                       | 9        |
|     |                   | g. Music illustration supports                 | 10,11    |
| 3.  | Benefit Aspect    | a. Ease of media operation                     | 12       |
|     |                   | b. The effectiveness of the video in explaining material | 13       |
|     |                   | c. The learning process is more fun            | 14,15    |
|     |                   | d. Ease of storing media                       | 16       |
|     |                   | e. Facilitate students in the learning process  | 17       |
|     |                   | f. Add variety                                 | 18       |
|     |                   | g. Provide focus of attention                  | 19       |
|     |                   | h. Provide information and input in efforts to improve and develop media | 20       |

Source: Riyana (2007)

The formulas used to calculate percentages are as follows (Sudjana, 2004):

The formula used to calculate percentages is as follows (Sudjana, 2004):

\[
\text{Percentage} = \frac{\sum (\text{answer} \times \text{weight of each})}{n \times \text{the highest weight}} \times 100\%
\]

Description:
- \(\Sigma\) = Total
- \(n\) = the number of all questionnaire items

As a provision in giving meaning and decision making, the following provisions are used.

Table 4. Conversion Rate of Achievement (Sudjana, 2004)

| Achievement level | Qualification | Information          |
|-------------------|---------------|----------------------|
| 90% - 100%        | Very good     | No need for revisions|
| 75% - 89%         | Good          | No need for revisions|
| 65% - 74%         | Enough        | Need for revisions   |
| 55% - 64%         | Not enough    | Need for revisions   |
| 0 – 54%           | Very not enough | Need for revisions  |
IV. Discussion

Table 5. Feasibility Assessment of Learning Video Media According to Material Experts

| No | Assessment Indicator                                      | Score | %   |
|----|----------------------------------------------------------|-------|-----|
| 1  | Compatibility of material with syllabus                  | 4     | 80,0|
| 2  | Compatibility of material with learning objectives       | 4     | 80,0|
| 3  | Compatibility of material with competency standards      | 5     | 100,0|
| 4  | Compatibility of material with basic competencies        | 5     | 100,0|
| 5  | The truth of the material is correct                     | 5     | 100,0|
| 6  | Completeness of material                                 | 5     | 100,0|
| 7  | Material is arranged in sequence                         | 5     | 100,0|
| 8  | The material is arranged systematically and specifically | 5     | 100,0|
| 9  | Material is written in standard language                  | 5     | 100,0|
| 10 | Accompanied by examples of clear images                  | 5     | 100,0|
| 11 | The accuracy of image selection is related to the material| 4     | 80,0|
| 12 | Accompanied by information that is easy to understand    | 4     | 80,0|
| 13 | Music illustration supports learning                      | 4     | 80,0|
| 14 | Accuracy of music or songs accompanying learning videos  | 5     | 100,0|
| 15 | Component images that are displayed are easy to understand| 4     | 80,0|
| 16 | The accuracy of the animation to explain the material    | 5     | 100,0|
| 17 | Material presentation has been coherent                  | 5     | 100,0|
| 18 | Facilitate educators in delivering material              | 4     | 80,0|
| 19 | Facilitate students in understanding the material presented| 5     | 100,0|
| 20 | Easy to understand overall                              | 5     | 100,0|
|    | Total                                                    | 93    | 93,0|

Validation of the material by filling out a questionnaire for the feasibility of the material can be seen with the following calculations:
The formula used to calculate percentages is as follows (Sudjana, 2004):

\[
\text{Percentage} = \frac{\sum (\text{answer} \times \text{weight of each})}{n \times \text{the highest weight}} \times 100\% \\
= \frac{93}{20 \times 5} \times 100\%
\]

It has been tested to material experts obtaining a percentage of 93%. If it is converted to the level of achievement, the value is classified as a very good category which means that the material contained in the learning video is very good.

Table 6. Feasibility Assessment of Learning Video Media According to Linguists

| No | Assessment Indicator                          | Score | %   |
|----|-----------------------------------------------|-------|-----|
| 1  | Accuracy of sentence structure                 | 4     | 80,0|
| 2  | Effectiveness of sentences                     | 5     | 100,0|
| 3  | Language and material clarity                  | 5     | 100,0|
| 4  | Clarity of sentences                           | 5     | 100,0|
5 Victory of language style 4 80,0
6 Use good and correct Indonesian language rules 4 80,0
7 Clarity of letters 5 100,0
8 Language reading 5 100,0
9 Symbol used 4 80,0
10 Command / clarity instruction 4 80,0
11 The language used is simple, straightforward and easy to understand 5 100,0
12 The language used is simple, straightforward and easy to understand 4 80,0
13 Language is adjusted to the stage of student development 5 100,0
14 Language can stimulate students’ imagination 5 100,0
15 Language is easy for students to understand 5 100,0
16 Regularity in material decomposition 4 80,0
17 The interest in reading interest 5 100,0
18 Clarify understanding of concepts with supporting examples and illustrations 5 100,0

| Total | 83 | 92.22 |

Language validation by filling out a questionnaire for language feasibility can be seen with the following calculations:

\[
\text{Percentage} = \frac{\sum (\text{answer} \times \text{weight of each})}{n \times \text{the highest weight}} \times 100\%
\]

\[
= \frac{83}{20 \times 5} \times 100\%
\]

\[
= 92.22
\]

It has been tested to linguists obtained a percentage of 92.22%. If it is converted to the level of achievement, the value is classified as a very good category which means that the language contained in the learning video is very good.

Table 7. Feasibility Assessment of Learning Video Media According to Media Experts

| No | Assessment Indicator                                      | Score | %   |
|----|-----------------------------------------------------------|-------|-----|
| A  | Guide and Information                                    |       |     |
| 1  | Description of multimedia products                       | 3     | 60.0|
| 2  | Guide to using multimedia software                       | 1     | 20.0|
| 3  | Help facilities                                          | 1     | 20.0|
| B  | Operasional Multimedia                                   |       |     |
| 1  | Ease of installation and or configuration settings        | 5     | 100.0|
| 2  | The accuracy of the use of media navigation symbols      | 4     | 80.0|
| 3  | Ease of use of the navigation buttons (usebility)        | 5     | 100.0|
| 4  | Search and link accuracy (hyperlink) media               | 1     | 20.0|
| 5  | Quality of interface                                     | 5     | 100.0|
| 6  | Operational consistency of software                       | 4     | 80.0|
| 7  | Software operational reliability from error free         | 4     | 80.0|
| 8  | Operating system support required                        | 4     | 80.0|
### Systematics, Aesthetics and Media Forms Principles

|   |   |   |
|---|---|---|
| 1 | Systematics of screen displays | 4 | 80,0 |
| 2 | Menu facilities in the media | 1 | 20,0 |
| 3 | Letter, number and symbol acceleration | 4 | 80,0 |
| 4 | Visual quality (resolution) of graphics or images | 4 | 80,0 |
| 5 | Color quality and resolution on the screen | 5 | 100,0 |
| 6 | Suitability of text color with background | 4 | 80,0 |
| 7 | Text, visual, audio and animation acceleration | 4 | 80,0 |
| 8 | Narrator voice clarity | 4 | 80,0 |
| 9 | Ease of understanding language in narration | 4 | 80,0 |
| 10 | Narration is free from noise | 4 | 80,0 |
| 11 | Narrative is communicative | 4 | 80,0 |
| 12 | Suitability of backsound with presentation material | 2 | 40,0 |
| 13 | Setting or controlling backsound | 1 | 20,0 |
| 14 | Choice of interfaced and progressive scan | 1 | 20,0 |
| 15 | Use of video / animation resolution (pixels) | 5 | 100,0 |
| 16 | Suitability of objects / videos / animations with material | 2 | 40,0 |
| 17 | Object visualization of material concepts / abstracts | 2 | 40,0 |
| 18 | Reduction of misperception of media objects | 3 | 60,0 |
| 19 | Application of spatial principles | 4 | 80,0 |
| 20 | Use of temporal principles | 4 | 80,0 |
| 21 | Use of clue and signaling | 2 | 40,0 |
| 22 | Reducing the effect of redundancy | 1 | 20,0 |
| 23 | Application of the effect of coherence | 3 | 60,0 |
| 24 | Use of the principle of modality | 3 | 60,0 |
| 25 | Cognitive load reduction for users | 3 | 60,0 |
| **Total** |   | 120 | 63,16 % |

Media validation by filling out a questionnaire for the feasibility of media can be seen with the following calculations:

\[
\text{Percentage} = \frac{\sum (\text{answer} \times \text{weight of each choice})}{n \times \text{the highest weight}} \times 100%
\]

\[
= \frac{120}{38 \times 5} \times 100%
\]

\[
= 63,16 \%
\]

The results of media validation that have been tested to media experts obtained a percentage of 63.16%. If it is converted to the level of achievement, the value is classified as sufficient category which means that the media contained in the learning video still needs to be revised.

Some response points, input and suggestions provided by media experts can be summarized as shown in the following table:
Table 8. Responses, Feedback and Suggestions by Media Experts

| No. | Feedback, Feedback and Suggestions |
|-----|-----------------------------------|
| 1.  | Required guidance for use in learning videos |
| 2.  | Help facilities are needed in the learning video |
| 3.  | Material search and hyperlinks do not exist |
| 4.  | The unavailability of menu facilities in learning video media |
| 5.  | The actor’s mimic needs to be adjusted to the narrative in the learning video |
| 6.  | Content in the form of images in the video needs to be adjusted |
| 7.  | Repetition of the words in the video must be minimized |
| 8.  | Video illustrations are needed on important topics |

After revisions to the learning video media, validation is carried out again to see the feasibility of the media with the following results:

Table 9. Feasibility Assessment of Learning Video Media According to Media Experts (After Revision)

| No | Assessment Indicator | Score | % |
|----|----------------------|-------|---|
| A  | Guide and Information |       |   |
| 1  | Description of multimedia products | 4 | 80.0 |
| 2  | Guide to using multimedia software | 4 | 80.0 |
| 3  | Help facilities | 4 | 80.0 |
| B  | Multimedia Operations |       |   |
| 1  | Ease of installation and or configuration settings | 5 | 100.0 |
| 2  | The accuracy of the use of media navigation symbols | 4 | 80.0 |
| 3  | Ease of use of navigation buttons (usability) | 5 | 100.0 |
| 4  | Search accuracy and media links | 4 | 80.0 |
| 5  | Quality of interfaces | 4 | 80.0 |
| 6  | Operational consistency of software | 4 | 80.0 |
| 7  | Software operational reliability from error free | 5 | 100.0 |
| 8  | Operating system support required | 5 | 100.0 |
| 9  | Support for devices (hardware) needed | 5 | 100.0 |
| 10 | Interactivity stimulus-response of users (users) with the system | 4 | 80.0 |
| C  | Systematics, Aesthetics and Media Forms Principles |       |   |
| 1  | Systematics of screen displays | 5 | 100.0 |
| 2  | Menu facilities in the media | 4 | 80.0 |
| 3  | Letter, number and symbol acceleration | 4 | 80.0 |
| 4  | Visual quality (resolution) of graphics or images | 4 | 80.0 |
| 5  | Color quality and resolution on the screen | 5 | 100.0 |
| 6  | Suitability of text color with background | 5 | 100.0 |
| 7  | Text, visual, audio and animation acceleration | 4 | 80.0 |
| 8  | Narrator voice clarity | 5 | 100.0 |
| 9  | Ease of understanding language in narration | 4 | 80.0 |
| 10 | Narration is free from noise | 5 | 100.0 |
| 11 | Narrative is communicative | 4 | 80.0 |
| 12 | Suitability of backsound with presentation material | 4 | 80.0 |
| 13 | Setting or controlling backsound | 4 | 80.0 |
| 14 | Selection of interfaced and progressive scan | 4 | 80.0 |
| 15 | Use of video / animation resolution (pixels) | 5 | 100.0 |

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Based on the table above, it is known the value of media validation through filling out the media assessment questionnaire with the following calculations:

\[ \text{Percentage} = \frac{\sum (\text{answer} \times \text{weight of each})}{n \times \text{the highest weight}} \times 100\% \]

\[ = \frac{165}{38 \times 5} \times 100\% \]

\[ = 87.37\% \]

The results of the revised media validation that have been tested to media experts obtained a percentage of 87.37%. If it is converted to the level of achievement, the value is classified as a good category which means that the media contained in the learning video is good and does not need to be revised again.

The trial of the feasibility of the video learning media for students was done after the validation by the experts was completed, the trial was conducted on 20 fourth grade students at SD Negeri No. 135911. Based on the feasibility assessment questionnaire tested on students, the answers obtained from the students are as follows:

Table 10. Frequency Distribution Answers for Learning Media Feasibility Assessment
|   | Explain the subject matter of social problems | 0 | 0.0 | 0 | 0.0 | 3 | 15.0 | 11 | 55.0 | 6 | 30.0 | 20 | 100.0 |
|---|------------------------------------------------|---|------|---|------|---|------|---|------|---|------|---|-------|
| 5 | The accuracy of animation to explain the subject matter of social problems | 0 | 0.0 | 0 | 0.0 | 3 | 15.0 | 11 | 55.0 | 6 | 30.0 | 20 | 100.0 |
| 6 | Accuracy of music / songs accompanying learning videos | 0 | 0.0 | 0 | 0.0 | 3 | 15.0 | 13 | 65.0 | 4 | 20.0 | 20 | 100.0 |
| 7 | The level of ease of understanding the subject matter of social problems in the learning video media | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 25.0 | 15 | 75.0 | 20 | 100.0 |
| 8 | Clear writing size to see and read | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 15.0 | 17 | 85.0 | 20 | 100.0 |
| 9 | Harmony of writing color with background color on learning media | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 45.0 | 11 | 55.0 | 20 | 100.0 |
| 10 | Voice clarity on learning videos | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 30.0 | 14 | 70.0 | 20 | 100.0 |
| 11 | Music illustration (effect sound) supports when learning the subject of social problems | 0 | 0.0 | 0 | 0.0 | 2 | 10.0 | 10 | 50.0 | 8 | 40.0 | 20 | 100.0 |
| 12 | The ease of use / operation of learning video media is the subject of social problems | 0 | 0.0 | 0 | 0.0 | 2 | 10.0 | 11 | 55.0 | 7 | 35.0 | 20 | 100.0 |
| 13 | The effectiveness of the video in explaining the subject matter of social problems | 0 | 0.0 | 0 | 0.0 | 2 | 10.0 | 13 | 65.0 | 5 | 25.0 | 20 | 100.0 |
| 14 | With media learning videos the subject of social problems becomes more fun | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 55.0 | 9 | 45.0 | 20 | 100.0 |
| 15 | With learning video media the subject matter of social problems becomes more interesting | 0 | 0.0 | 0 | 0.0 | 1 | 5.0 | 11 | 55.0 | 8 | 40.0 | 20 | 100.0 |
| 16 | Easy storage and management of learning videos | 0 | 0.0 | 0 | 0.0 | 4 | 20.0 | 12 | 60.0 | 4 | 20.0 | 20 | 100.0 |
| 17 | Video learning media makes it easier for students to understand learning material on the subject of social problems | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 50.0 | 10 | 50.0 | 20 | 100.0 |
| 18 | This video learning media adds a variety of learning methods | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 30.0 | 14 | 70.0 | 20 | 100.0 |
| 19 | The video learning media is able to provide more focus of attention to students during the learning process | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 55.0 | 9 | 45.0 | 20 | 100.0 |
Learning video media can provide information and input in an effort to improve and develop learning media, the subject of social problems. Based on the table it can be seen that as many as 9 (45%) students gave a very good assessment of the learning video media and as many as 11 (55%) students gave a good assessment of the learning video media. This means that the instructional video media delivered has been feasible to be used as a learning medium for fourth grade students of elementary school.

The product of IPS learning video media, the subject of social problems is learning material that has been developed with regard to learning and media aspects. The ease of understanding the content in the subject matter presented in the learning video is the main goal of developing learning video media. For this reason, it is necessary to see whether the final product of video learning media is effective to improve students’ ability to understand the subject matter of social problems.

The following are the results of the pre-test and post-test questions related to the contents contained in the IPS learning video, the subject of social problems in fourth grade students, Elementary School (SDN) 135911 Tanjungbalai:

### Table 12. Pre Learning Test Results Using Learning Video Media for Class IV Students at Public Elementary School (SDN) 135911 Tanjungbalai

| Total Score | Total | % |
|-------------|-------|---|
| 2           | 1     | 4.8 |
| 3           | 6     | 28.6 |
| 4           | 4     | 19.0 |
| 5           | 5     | 23.8 |
| 6           | 4     | 19.0 |
| 8           | 1     | 4.8 |
| **Total**   | **21**| **100.0** |

Based on the results of the pre test conducted on fourth grade students, Public Elementary School (SDN) 135911 Tanjungbalai, there is 1 (4.8%) students who get a score of 2, as many as 6 (28.6%) students who get a score of 3, as many as 4 (19%) students who score 4, as many as 5 (23.8%) students who get a score of 5, as many as 4 people (19%) students who get a score of 6 and 1 person (4.8%) students get a score of 8.
Table 13 Learning Outcomes Test Results Using Learning Video Media for Class IV Students at Public Elementary School (SDN) 135911 Tanjungbalai

| Total Score | Total | %   |
|-------------|-------|-----|
| 6           | 1     | 4.8 |
| 7           | 2     | 9.5 |
| 8           | 7     | 33.3|
| 9           | 10    | 47.6|
| 10          | 1     | 4.8 |
| **Total**   | **21**| **100.0**|

Based on the results of the post test conducted on fourth grade students, Public Elementary School (SDN) 135911 Tanjungbalai, there is 1 (4.8%) students who get a score of 6, as many as 2 (9.5%) students who get a score of 7, as many as 7 (33.3%) students who score 8, as many as 10 (47.6%) students who scored 9 and 1 (4.8%) students scored 10.

Table 14. Mean Value of Pre Test and Post Test Scores

| Variable     | Mean | Difference in Mean |
|--------------|------|--------------------|
| Pre test score | 4.43 |                    |
| Post test score | 8.38 | 3.95               |

Based on the table it can be seen that the mean value of the pre test score is 4.43 and the mean value of the post test score is 8.38 with a mean difference of 3.95 which means that there is an increase in score of 3.95 after being given social studies learning material by using learning video media.

V. Conclusion

The development of learning video media was validated by 3 experts namely material experts, linguists and media experts.

Appraisal by material experts obtained a value with a very good category (93%), the assessment by linguists obtained a value with a very good category (92.22%) and the assessment by media experts obtained a value with a good category (87.37%).

A total of 9 students (45%) gave a very good assessment of the learning videos developed and as many as 11 students (55%) gave a good assessment of the learning videos developed and the learning video media were considered to be feasible to be developed.

The average pre-test score of students is 4.43 and the average post-test score of students is 8.38 with a difference in score of 3.95 which means that there is an increase in value of 3.95 after being given social studies learning material on the subject of social problems with using learning video media.

The video learning media are considered effective to be used as social studies learning media on the subject of 4th grade social problems.

References

Ablan, (2003). *Digital Cinematography & Directing. Pearson Education US*, New York.
Agustania, (2014), Pengembangan Video Pembelajaran pada Mata Pelajaran Promosi Dinamis, Smk Negeri 1 Pengasih.
Arsyad, A. (2004). *Media Pembelajaran*, Jakarta : PT. Raja Grafindo Persada.

DOI: https://doi.org/10.33258/birle.v2i3.367
Ayuningrum, (2012), Pengembangan Media Video Pembelajaran Untuk Siswa Kelas X pada Kompetensi Mengolah Soup Kontinental di SMKN 2 Godean
Bagui, S. (1998). Reasons For Increased Learning Using Multimedia, Journal of Educational Multimedia and Hypermedia, 7, 3-18
Belinda soo-phing TEOH and Dr. Tse-Kian NEO. (2007). Interactive multimedia learning: Students’ Attitudes and Learning Impact in an Animation Course, the Turkish Online Journal of Educational Technology.
Daryanto. (2010). Media Pembelajaran, Yogyakarta: Gava Media.
Mariana. E. (2016). Pengembangan Media Video Pembelajaran pada Pokok Bahasan Proklamasi Kemerdekaan Indonesia (Mata Pelajaran IPS Kelas V MI Teladan Guppi Tebing Tinggi Tahun Ajaran 2015-2016), Medan: Tesis Program Pascasarjana UNIMED
Maulidiana, (2018), Pengembangan media pembelajaran interaktif berbasis Adobe Flash untuk meningkatkan hasil belajar PKN kelas IV SD Negeri 024183 kecamatan Binjai Timur.
Mufarokah, A. (2009). Strategi Belajar Mengajar, Yogyakarta: Teras.
Mulyatiningsih, E. (2011). Metode Penelitian Terapan Bidang Pendidikan, Yogyakarta: Alfabeta.
Nazarudin, (2007), Manajemen Pembelajaran: Implementasi Konsep, Karakteristik dan Metodologi Pendidikan Agama Islam di Sekolah Umum, Yogyakarta.
Setiawan, D. (2016). Pendidikan Ilmu Pengetahuan Sosial, Medan: Larispa.
Solihatin, Raharjo. (2009). Cooperative Learning Analisis Model Pembelajaran IPS, Jakarta: Bumi Aksara.
Stemler, L. (1997). Educational Characteristics of Multimedia: A literature review, Journal of Educational Multimedia and hypermedia, 6(3/4),
Sumiati dan Asra. (2009). Metode Pembelajaran, Bandung: CV Wacana Prima.
Sutikno, S. (2009). Belajar dan Pembelajaran, Bandung: Prospect.
Tasrif. (2008). Pengantar Pendidikan Ilmu Pengetahuan Sosial, Yogyakarta: Genta Press.
Trianto. (2010). Mendesain Model Pembelajaran Inovatif-Progresif, Jakarta: Kencana.
Undang-undang No. 20 Tahun 2003 tentang Sistem Pendidikan Nasional
Vaughan, T. (2011). Multimedia: Making It Work. 8th Edition. New York : McGraw-Hill.
Warsihna, J. (2009). Modal Pembuatan Media Video, Jakarta: Departemen Pendidikan Nasional.
Yamin, Martinis dan Maisah. (2009). Manajemen Pembelajaran Kelas: Strategi Meningkatkan Mutu Pembelajaran, Jakarta: Gaung Persada Press.