

# THE INFLUENCE THE USE OF ANIMATED VIDEO MEDIA "VOLCANO DISASTER" ON THE LEARNING MOTIVATION

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## ABSTRACT

Given that Indonesia experiences many natural disasters every year, volcanic eruptions are one of them. Indonesia has a number of active volcanoes, including Mount Agung in Bali, Mount Krakatau in Banten, Mount Bromo in East Java, and Mount Merapi in Central Java. The field of education has a significant impact on the development of a nation. It can continue to lead a nation by producing quality future generations through education. There are various ways to get an education, one of which is through schooling. Schools are formal educational institutions that systematically implement guidance, education, and training programs to assist students in maximizing their moral, intellectual, emotional, social, and motor development. Thus, learning about volcanoes in schools is needed, namely by teaching it starting from elementary school, using animated video media-based learning media. Therefore, researchers tried to introduce a simulation model based on animated video media because it provides opportunities for students to participate directly with other students and generate new ideas with the aim of seeing the effect of using animated video media-based learning media from the results of learning conducted. This research was conducted at SDN 2 Neuheun. Therefore, the purpose of writing this article is to describe the effect of using animated video media on volcanic disasters on students at SDN 2 Neuheun. The method used is descriptive qualitative. In this case, researchers rely on direct observation to collect data in the field. The research data is an animated video media-based learning process. The results showed that the use of animated video learning media had a very good effect on students' learning motivation.

Keywords: *media, video animation, volcano, motivation*

## 1. INTRODUCTION

The purpose of educational technology is to design, create, and utilize various learning resources so that everyone, at any time, in any way, and from any source that meets their conditions and needs can learn. This is supported by AECT's 2008 definition of educational technology, which states that educational technology is the ethical study and practice of creating, utilizing, and managing appropriate technological processes and resources to facilitate learning and improve performance (Januszweski and Molenda in Sulistyaningrum, 2017).

The learning process aims to provide or transfer knowledge, and the learning process also aims to value education for future generations. Judging from its scope, learning consists of several parts. Objectives, teaching materials, teaching and learning

activities, methods, tools, learning resources, and evaluation are examples of these components. To achieve educational success in accordance with the desired goals, each of these components must be interconnected.

An animated video is a movie that has been hand-drawn and processed with appropriate audio to become an image that moves along a predetermined path at a certain time. The object in question can be anything from human figures to text to images of animals and plants to buildings (Alimah in Mahmudah & Fauzia, 2022).

In this study, the researchers looked at how far the influence of animated videos on students' learning motivation, and researchers found that there was a change in students who were motivated by using animated videos media

This animated video content is an audio-visual medium that combines selected animated images made to move in time with appropriate audio. When explaining procedures and sequences of events, this is very helpful. Because the audio-visual messages and movements in these animated videos impress the audience and are appreciated by students, animation can provide a more meaningful learning experience and provide a greater stimulus than reading a textbook. In order to improve the quality of learning processes and outcomes, animated videos are able to provide a stronger visual display of various abstract phenomena and information.

Students will be more interested in learning activities and teachers will be able to use animated media for effective learning in the fields of social studies tetrag volcano disaster and local content learning. The use of this animation medium can be done on material that has a natural appearance and has to do with volcanic activity. related to volcanoes. Therefore, to support learning activities, the selection and utilization of efficient and effective media is very important. The selection of animated learning videos can be the best choice because students will be able to understand the content more easily, fun, and interesting. .

Indonesia is sandwiched between three tectonic plates: the Indian-Australian plate, the Pacific plate, and the Eurasian plate. Indonesia is prone to earthquakes, tsunami.

## 2. LITERATURE REVIEW

3. The development of animated video media as a social science learning media has a positive impact on increasing the knowledge of elementary school students at SDN 2 Neuheun by explaining material about volcanic disasters.

learning media are tools, methods, and techniques used in order to further streamline communication and interaction between teachers and students in the education and teaching process at school. Meanwhile, et al, stated that learning media is an effective auxiliary tool that can be used by teachers to achieve the desired goals (Arsyad, 2017).

media is a tool used by teachers in the teaching and learning process, the word media comes from Latin and is the plural form of the word medium which literally means intermediary or introducer. Media plays a very important role in the learning process (Permana & Indihadi, 2018).

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Educational materials from various social and humanitarian sciences (education and history) are arranged and presented scientifically and psychologically for educational purposes based on Pancasila and Indonesian culture in the Social Sciences (IPS) program. Social studies can also be referred to as a fusion or combination of a number of social subjects, with social studies subjects utilizing certain components of the social sciences. In theory, social studies education in primary schools does not focus on teaching social sciences as a scientific field but rather on teaching students the fundamental ideas of the social sciences that will help them become good citizens (Anshori, 2022).

A disaster is an event or series of events that threatens and disrupts people's lives and livelihoods. This can be caused by human factors as well as natural and non-natural factors, and can result in human casualties, environmental damage, property losses, and psychological impacts (Syamsudin, 2012).

Volcanoes are areas that often or have a high potential for disasters due to volcanic eruptions or events that have a detrimental impact on humans and one of the natural disasters that cause many casualties (Welang, 2022).

## 3. METHODS

The method used is descriptive qualitative. In this study, researchers relied on researcher observation to collect data through direct observation in the field. In the sense that the researcher does not participate in the activity, the observation is passive

participatory observation (passive participation). Students of SDN 2 Neuheun were used as the subjects of this research. The research data is a learning process about volcano disaster material based on animated video media.

## 4. RESULTS & DISCUSSION

This study concluded that most of the respondents among SDN 2 Neuheun students in the subject of social science (IPS) with the material of volcanic disasters had an influence on increasing student knowledge and student seriousness in the process of teaching and learning trips.

By having knowledge before using animated video media in the teaching and learning process with sufficient categories, namely a total of 30 people (62.5%) before being given information about volcanic disasters using ordinary learning media. While after using animated video media in the teaching and learning process, students of SDN 2 Neuheun gave a big response, respondents had knowledge in the good category, namely a total of 30 people (84.4%) after being given information about volcanic disasters using animated video media.

There is a significant difference in knowledge of social science (IPS) subjects with volcanic material to students of SDN 2 Neuheun before and after being given an animated video of a volcanic disaster to students of SDN 2 Neuheun with a p-value of 0.000.

### 1. Media of volcano montain



Volcanoes occur when material that is significantly warmer than its environment erupts onto the surface of a planet or satellite from its interior. On Earth, the material that erupts can be molten rock ("lava" when on the surface, "magma" when underground), ash, cinders, and/or gas. There are three reasons why magma might rise and cause eruptions to the Earth's surface.

Magma can rise when pieces of the Earth's crust called tectonic plates slowly move away from each other. Magma rises to fill the space. When this happens, undersea volcanoes can form.

### 2. Eruption of volcano montain



4. Volcanic eruptions are events that occur due to magma deposits in the bowels of the earth that are pushed out by high-pressure gas. This event is related to the rise of magma from the bowels of the earth.

## 5. CONCLUSION

The role of learning media based on animated video media is to bridge communication between teachers and students, so the existence of animated video-based learning media at SDN 2 Neuheun is very helpful for teachers in delivering material during the learning process. The use of this animated video medium has an influence on the seriousness of the students at SDN 2 Neuheun respond to the material. Students at SDN 2 Neuheun are very active and enthusiastic when the teacher monitors them during the teaching and learning process. The positive attitude that students have toward responding to the material presented. In addition, this has the potential to increase the learning desire of SDN 2 Neuheun students.

Based on the results of the research and discussion that have been presented, it can be concluded that the application of social studies learning based on animated video media as a learning resource in elementary school student learning at SDN 2 Neuheun can have an influence on SDN 2 Neuheun students in increasing learning motivation for social studies learning so that the average student has a deep motivation and can also increase the motivation of SDN 2 Neuheun students in the learning process including high categories.

## 6. ACKNOWLEDGMENTS

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With this research is a new thing that can be applied as teaching materials to motivate students to be more active and creative. The application of social studies learning based on animated video media as a learning resource in elementary school student learning at SDN 2 Neuheun students can have an influence on SDN 2 Neuheun students in increasing learning motivation.

## 7. REFERENCES

- Anshori, S. (2022). Kontribusi ilmu pengetahuan sosial dalam pendidikan karakter. *Jurnal Analisis Sosiasal*, 3(1), 1–28.
- Arsyad. (2017). Bab II Kajian Teori. *BAB 2 Kajian Teori*, 1, 16–72.
- Mahmudah, S., & Fauzia, F. (2022). Penerapan model simulasi tentang pembelajaran mitigasi bencana alam gempa bumi berbasis video animasi untuk meningkatkan hasil belajar siswa. *Jurnal Basicedu*, 6(1), 633–645. <https://doi.org/10.31004/basicedu.v6i1.1974>
- Permana, D., & Indihadi, D. (2018). Penggunaan media gambar terhadap pembelajaran menulis puisi peserta didik. *PEDADIDAKTIKA: Jurnal Ilmiah Pendidikan Guru Sekolah Dasar*, 5(1), 193–205. <https://ejournal.upi.edu/index.php/pedadidaktika/article/view/7297>
- Saparwati, M., Trimawati, & Fiki Wijayanti. (2020). Peningkatan pengetahuan kesiapsiagaan bencana dengan video animasi pada anak usia sekolah. *Pro Health Jurnal Ilmiah Kesehatan*, 2(1), 23–28. <http://jurnal.unw.ac.id:1254/index.php/PJ/article/download/22-28/pdf>
- Sulistyaningrum, F. (2017). Pengaruh penggunaan media video animasi “siaga bencana gunung berapi” terhadap kesiapsiagaan siswa. *E-Jurnal Prodi Teknologi Pendidikan*, 6(7), 631–639.
- Syamsudin, A. (2012). *Kepala Badan Nasional Penanggulangan Bencana Tentang Pedoman Umum Pengkajian Risiko*. 1–26.
- Welang, C. P. (2022). *Lahan Kesesuaian Pada Permukiman Rawan Kawasan Berapi Gunung Kota D I*. 1–12.