

POP UP BOOK ILLUSTRATION DESIGN AS A LEARNING EDUCATIONAL MEDIA FOR STUDENTS OF SEMESTA 2 SMP SEMARANG

Dyah Septi Anisatul Aulia^{*}, Nadia Sigi Prameswari

Seni Rupa, FBS, Universitas Negeri Semarang

Jl. Taman Siswa, Sekaran, Kec Gn. Pati, Kota Semarang, Jawa Tengah 50229, Indonesia

Email: dyahsepti682@gmail.com

Abstract

Pop up book design research as a learning education media conducted at SMP Semesta 2 Semarang aims to describe the design of learning media as a new innovation to increase student learning motivation. The type of research used is research and development by designing everything needed in the research process. Pop up book learning media is made using a mixture of manual and digital techniques with a finishing process using the photoshop application. Based on the ongoing research, the results of the study showed that pop up book design can increase student interest in participating in learning activities as well as become a new perspective in the world of education.

Keyword: Pop Up Book, Learning Educational, Student

INTRODUCTION

Widiyanti., et al (2024) learning media is one of the facilities that supports teaching and learning activities or processes used by teachers when explaining material that is still difficult to understand concretely. Sharon E Smaldino, Deborah L Lowther & James D. Russel (2014:7) media comes from the Latin medium which means "intermediary". Each student's understanding in the learning process is different, but public delivery techniques such as lectures can cause boredom and fatigue because educators only listen to the explanation given by the teacher, therefore intermediary learning media needs to be used as a means of conveying information so that the material can be understood by students easily (Anggraini, 2022).

The efficiency of using media in teaching and learning procedures includes: 1) Explaining messages and information in more detail so that it is easier for students to improve their learning outcomes 2) Focusing students' concentration with new learning methods so that they are motivated to develop learning interests 3) Overcoming weaknesses in the senses, space and time 4) Providing harmony of experiences to students regarding events that occur 5) Providing opportunities for direct relationships between students, teachers, society and the environment (Bambang Sutjipto, 2016: 23 in Widiyanti et al., (2024).

In the learning process, media plays an important role in increasing students' interest in learning and seeking information. Even the use of media that connects the five senses is more

fully understood in learning (Jannah & Sukidi, 2018). The function of media as a learning facility plays an important role in the delivery of material by teachers. The selection of media must be adjusted to the character of the students so that students are more enthusiastic in participating in the learning process. Some media that can be used as methods in learning activities while making it easier for teachers and students to understand the material are using pop-up book media.

Dzuanda (2011) pop up book is a media in the form of a book where there are components on each page that when opened can move and have 2-dimensional and 3-dimensional elements. Based on the description above, it can be concluded that pop up book is the art of paper mechanization where the book can move to interact with the way the paper works such as folding, sliding and rolling. Pop up book is able to provide a sense of interest when seeing it such as the presence of illustration elements, various forms are displayed in 3-dimensional elements.

Bluemel & Taylor in Riana, Pulungan (2024) the benefits of pop up are: 1) As a learning medium that can make children appreciate the books they have more so that they can take care of them well, be disciplined and responsible 2) Able to support the development of students' imagination because through pop up books students have a unique and interesting reading experience 3) With pop up books students find it easier to understand the explanations given by the teacher because the presentation of information offers visuals and interactive so that students understand more easily 4) Because pop up books have 3-dimensional elements and depictions of various forms of illustrations, students become more familiar with new objects 5) Helps develop students' interest in reading and motivation to learn.

In this study, the researcher intends to design a pop-up book with students of SMP Semester 2 Semarang. This study is expected to be able to provide a slight change in learning methods that are more interesting and easy to understand by students without direction or instructions from the teacher. The study aims to design and develop a pop-up book with the theme of introducing objects around with different titles for each student according to their respective choices.

IMPLEMENTATION METHOD

The type of research used in this study is research and development (Research and Development). Research and development is a procedure or steps in developing a new product or perfecting an existing product, which can then be accounted for. There are several steps in producing a product, namely

1) Determine the Design

After the researcher has compiled the data and information, the next stage is determining the type of illustration that will be used in the pop-up book media and writing material in the book regarding the information that will be developed in the learning media.

2) Design Validation

The next step, once the design has been agreed upon, is to carry out a feasibility test of the pop-up book, to see how this learning media can become more effective.

3) Trials

After carrying out validation, the next step is to evaluate the pop-up book to ensure whether the pop-up book is successful as a learning medium that is suitable for use and also effective if developed.

4) Usefulness as a Learning Media

After the previous stages are completed, the final step is to print the pop-up book to be used in the learning process to see whether it is valid and suitable for use.



Picture 1. Technique of work

Source (Dyah Septi Anisatul Aulia)

RESULTS AND DISCUSSION

1. Pop Up Bookk Illustration Design Concept

The Concept of pop up book ilustration at SMP Semesta 2 Tembalang District, Semarang Regency:

a) To create a theme illustration image on *pop up book*

Illustration theme The themes used in designing pop up books are diverse, researchers take several samples starting from natural knowledge about the solar system, introduction to types of traditional foods, fruits and types of flowers. The reason for using diverse themes is because they are adapted to with the children 's interests and preferences for something. Here is a table of several pop-up book themes for students of SMP Semesta 2 Semarang:

Table 1. Title and *Description Pop Up*

No	Pop Up Book Title	Information
1	Food Traditional Food	Explanation of some information related to traditional foods such as pukis cake, putu ayu, risol, onde onde, klepon
2	Types of Solar System	Explanation of some information related to the various types of solar systems in the universe such as the sun, earth, stars, Neptune, Uranus, etc.
3	Types of Flowers	Explanation of some information related to various types of flowers such as tulips, roses, flower peck, sunflowers, amorilis and frangipani
4	Various Types of Fruit	Explanation of some information related to various types of fruit such as apples, lychees, oranges, watermelons, strawberries, etc.

Source (Dyah Septi Anisatul Aulia)

b) Determine the type of illustration to be created

The determination of the type of illustration is adjusted to the content of the narrative or information related to the theme chosen by the student. The illustration style used in pop up books is a realistic style where the main object is made using manual techniques while the appearance in the book such as the background and captions are edited digitally.

c) Determine the layout and appearance of the pop up book

In determining the layout research me n g the main function of the area to be layout, such as the use of empty space to create visual focus to objects made 3 dimensions. The use of visual elements such as typography is also made simple, easy to read by applying font characters that are not sharp suitable for children.

2. Process Illustration Design Planning

The stages in designing pop up book illustrations are:

a) Design creation determination *pop book*

In designing a pop up book, the production strategy is determined by the size and pages of the book

Type book : *Pop Up*

Dimension book: 15x 15 cm

Number of pages: 12 hours ago

Finishing : Thic volume cover matte

b) Design book design *pop up book* with the theme of introducing surrounding objects entitled various kinds of solar systems, fruits, traditional foods and also flowers designed with different concepts and objects in each of its natural worlds. The pop up book illustration design was made with illustration realistic image whose main object uses manual techniques of paper and pencil while the layout and typography of the captions are made using digital techniques with the photoshop application. Here are some pop up book design results:



Picture 2. Design cover *Pop Up*
Source (Dyah Septi Anisatul Aulia)



Picture 3. Design flower theme
Source (Dyah Septi Anisatul Aulia)



Picture 4. Design solar system theme
Source (Dyah Septi Anisatul Aulia)



Picture 5. Design traditional food theme
Source (Dyah Septi Anisatul Aulia)



Picture 6. Design fruit theme
Source (Dyah Septi Anisatul Aulia)

3. Effectiveness of pop up books

1. Interest Indicator Student

a. Happy Feeling

During the research on designing pop up books at SMP Semesta 2 Semarang, students participated in learning activities happily and had a sense of interest in participating in the activities. For example, when making pop up book illustrations, many children felt enthusiastic and always attended the activities during the research process.

b. Attention

In the learning process, focusing students' concentration to always pay attention to the material explained by the teacher is still a problem until now because students often feel bored if the learning method only focuses on listening. Therefore, pop up book media is designed to raise students' concentration or attention, as evidenced during the study, many students enjoyed activities such as frequently asking questions and taking notes on what was conveyed.

c. Feeling of interest

Interest in following learning is an important thing that should be felt by all students. Pop-up design is intended to provide encouragement to an object, person, experience or activity. For example, students in Junior High School 2 Semesta Semarang was seen taking part in the lesson enthusiastically and often asked various questions in the lesson.

d. Student involvement

Interest in the teaching and learning process will invite students to always follow every activity that takes place. Because the design of pop-up media is still new at SMP 2 Semesta, many children are always active and participate in the learning process.

2. Student Understanding Indicators With Pop Up Book Media

From the research conducted by students of SMP Semesta 2 Semarang, students are more interested in learning methods using illustrations or images and they tend to understand something more easily through direct observation. Therefore, the creation of pop-up books with various themes of introducing surrounding objects is designed as a new technique for introducing information that educates students through image objects.

CONCLUSION

The design of pop up books on learning media with the theme of introducing objects around with the title of getting to know the various types of solar systems, traditional foods, fruits and flowers to educate students is an important update and a new breakthrough in the world of education. The application of pop up books for the teaching and learning process is a strategy that can change learning activities to be more interesting and efficient. The design of pop up designs made by researchers and students can increase interest and encourage active involvement of students in learning activities. This study not only designs new learning methods but also develops pop up book media as a new perspective in the world of education. Pop up book-based learning media that focuses on the activeness of creative students can improve the quality of student experience.

REFERENCES

- Anggraini, MC, & Kristin, F. (2022). Development of Social Studies Learning Media Based on Monopoly Games to Improve Motivation and Learning Outcomes of Grade 4 Elementary School Students. *JIP-Scientific Journal of Educational Sciences*, 5 (10), 4207-4213.
- Alifah, T., Qeis, MI, & Zahrani, Y. (2024). Design of Serial Illustration Books on Outer Space Objects as Natural Education Media. *Cipta*, 348-356.
- Astuti, I., Raharja, EP, & Asrul. (2022). Pop Up Book to Encourage Learning Interest in Grade V Students. *Genesis Indonesia (JGI)*.
- Jannah, SN, & Sukidi, M. (2018). The Effect of Using Pop Up Book Media on Descriptive Writing Skills of Grade IV Students at Sdn Babatan 1 Surabaya. *Journal of Elementary School Teacher Education Research*, 6 (10).
- Martiningdyah, WD (2017). Implementation of The Learning Cell Method Assisted by Pop-Up Story Book Media to Improve Social Studies Learning Outcomes of Class V SDN Candi 01 Semarang. 7.01.
- Najahah, I., & Oemar, EA (2016). Designing a Pop-Up Book as a Learning Media About Traditional Houses and Clothing of the Archipelago in Java. *Fine Arts Education*, 494-501.
- Riana, FH, & Pulungan, LH (2024). The Influence of Pop-Up Book Learning Media on Learning Motivation in Science Learning on Wetland Ecosystem Material for Grade 3 of Muhammadiyah Elementary School 07 Medan. *Journal of Basic Educational Studies*, 806-814.
- Safitri, J., Faisal, M., & Roslyn. (2024). Design of Pop Up Book Alphabet Illustrations at

- Aisyiyah Kalimbua Kindergarten, Baraka District, Enkerang Regency. *Macora*, 25-34.
- Smaldino, SE, Lowther, DL, & Russel, JD (2011). Learning Technology and media for learning. *Jakarta: Kencana Prenada Media Group*.
- Widiyanti, D., Supari, P., Sulistiawati, K., Sumitri, N., & Murjainah. (2024). Development of Pop Up Book Media to Improve Learning Understanding of Grade VI Elementary School Students. *Social, Humanities, and Educational Studies*.