

## Development of LKPD Based on Canva App in Improving Ability Think Critical Students in Learning Social Studies Class V SD BK Maranatha

Novianti Lisa Kristianti , Misnah, Bau Ratu  
Tadulako University, Palu

### ABSTRACT

This research aims to develop Canva-based Student Worksheets (LKPD) designed to improve the critical thinking skills of fifth-grade students in Social Studies instruction. Employing a Research and Development (R&D) methodology, the study follows the ADDIE model—Analysis, Design, Development, Implementation, and Evaluation. The research subjects comprised 20 fifth-grade students at SD BK Maranatha, Sigi Regency. Data collection instruments included expert validation sheets, critical thinking tests, and student response questionnaires. Expert validation results indicated that the LKPD was highly feasible, with an average score of 83.5%. Limited trials revealed a significant improvement in students' critical thinking abilities, with an N-Gain score of 0.73, categorized as moderate to high. Student responses showed a high level of interest, with a score of 83.92%. These findings suggest that the Canva-based LKPD is feasible, engaging, and effective for enhancing critical thinking in Social Studies learning.

**Keywords:** Student Worksheet, Canva, Critical Thinking, Social Studies, Addie

#### Corresponding author

**Name:** Misnah

**Email:** [misnah@untad.ac.id](mailto:misnah@untad.ac.id)

## INTRODUCTION

Education is one of the means for getting knowledge new and ongoing development along with progress technology. In the era of globalization moment this, education must adapt itself with development knowledge and technology. Along with progress knowledge education, various technology new keep going appear, bring progress over time. Learning process become a series activities that involve center nerves individuals who are study (Saputra and Safitri 2025).

Educator in operate duties and responsibilities the answer as teacher of course need source teaching in the learning process. Teaching materials used must capable inspiring participant educate for learn and improve interest they for do it (Keliat and Sabri 2025). According to Ministry of National Education 2006, teaching materials are gathering materials structured learning systematic in accordance with established curriculum and allows participant educate for learning. Educator as power teacher must capable help

participant educate in reach objective learning . Use teaching materials must be adapt with development education and teaching materials must be load things that make participant educate think critical . One of them that is necessary skills the 21st century has role important for participant educate in finish problem or give the right solution (Nasution and Hasairin 2025) .

Skills This need implemented by educators in the learning process so that the quality learning increased . One of them that is with make teaching materials in the form of LKPD using latest software applications with indicator inside it covers ability think critical participant educate (Pratiwi 2025) .

Based on results observations conducted in the field in September at Maranatha BK Elementary School, researchers find that educator using LKPD as a learning medium . However , the LKPD used Still simple , based folio paper , and made with Word software on the computer . Although educator Already know Canva app , they Not yet use it For create LKPD. School This apply 2013 curriculum and Independent Curriculum , where classes III and VI use 2013 curriculum , whereas classes I, II, IV, and V already use Independent Curriculum . Learning outcomes show sufficient performance good on some eye lesson such as Indonesian and PPKn , which have achieve KKTP, while IPAS and Mathematics Still Not yet reach KKTP. One of the factor affecting low quality think critical participant educate is lack of use of learning media by educators in the learning process . Use questions that are classified as LOTS (Lower Order Thinking Skills) which are still dominant also becomes reason Why ability think critical a number of participant educate Still low . Subjects that researchers use is Knowledge Natural and Social Sciences (IPAS) in grade V of Elementary School with theme " Harmony" in Ecosystem ". Election eye lesson This No without reason , in the eyes science lessons which are often considered difficult by

participant educate Because related with structure in sufficient learning complex , so that be one of reason researchers take eye science lessons as material study .

Learning theory cognitivism define in learning No only see results study only , but the process of learning must also be attention . The learning process that occurs No only stimulus- response educators and participants education , but also the process of evaluating , analyzing , and solving problems. problem need noticed as form method think participant education . Integrated science learning become One unity between knowledge natural and social can become lighter participant educate in the learning process . Science learning will apply method capable experiments give condition proper learning as well as develop ability think critical , as well as a high sense of curiosity from participant educate . Urgency held study This For know to what extent is it effective? use of LKPD in increase ability think critical participant educate . See problems that arise , especially related with use and creation of LKPD based on Canva app in reach objective participant educate For think critical , then need existence LKPD -based analysis skills cognitive , affective , and psychomotor moreover first so that the solution provided precise , effective and efficient (Uzma 2025) .

LKPD as utilization material props print inside load various assignments , concentration on guidance , and methodology finish tasks used during the process. Learning . LKPD for participant educate is material designed learning For help participant educate in

develop skills Study in a way independent . The LKPD that was compiled by the educator himself naturally notice aspects ability participant educate use reach objective learning ., LKPD is teaching materials that can used in learning For develop ability cognitive participant designed education For understand complex ideas as well as guide participant educate in a way systematic . According to Ministry of National Education 2008, the process of using LKPD as tool teaching can used educator For make teaching more organized as well as push participation participant educate in learning use reach effectiveness knowledge . Based on the above opinion , can it is said that the process of making LKPD requires skills as well as broad understanding as source teaching by a educator For support participant educate in reach objective learning (Nasution and Fauzi 2025) .

LKPD can increase ability think critical in line with study Elfina & Sylvia (2020) said that the LKPD media that was developed can it is said worthy used For increase ability think critical participant educate . In the development of LKPD, it is not A little educators who have not do innovation in making LKPD in the learning process . Lack of understanding to progress of Information and Technology (IT) in the world of education and less patience educator For create innovative learning media be one of constraint in development of LKPD in schools basis . So from that , in making teacher's LKPD need use software that can support in making LKPD which can increase ability think critical participant educate . One of the software that can used with easy by educators is Canva app . Not only contains only writing , educator can make a better LKPD interesting with addition images , colors , and shapes in accordance with eye lessons to be learned delivered to participant educate (Uzma 2025) .

Use of LKPD based on Canva application that has innovated use designs provided by Canva can become A renewal in an interactive and meaningful learning process for participant educate . LKPD contains gathering from sheets activity participant education whose goal is as guide Study participant educate and facilitate participant students and educators in carry out the learning process . Learning materials in LKPD must made as interesting as Possible with innovation new where in it there is Attractive images , colors and shapes interest Study participant educate can be one of reason participant educate active in the learning process in class (Destya and Rachmadiarti 2025) .

Learning materials included in the fixed LKPD must follow standards that have been determined use reach objective learning . LKPD that is made must covers skills and abilities think level high , one of them that is ability think critical . Thinking critical is something form think in effort solve problem . Thinking critical is a mental process that has composed and played a role in the process of taking decision in finish problem . For know participant educate can it is said think good criticism or low , can known from ability participant educate in interpret , analyze , evaluate , and conclude problem . Not only that , can also be seen from whether participant educate can explain what is thought , makes A decision , using strength think critical For himself alone , and can make A the right solution For increase ability think critical . Ability think critical participant education is very important in the learning process . The importance of think critical for participant educate naturally For can solve problem in life real or in solve problem in the learning process (Simanjuntak and Prihatin 2025) .

Advances in science knowledge and technology has affect the use tools help teaching in schools and institutions existing education . Methods learning like note taking , memorizing , and listening become something common method carried out by educators to participant educate in the learning process especially in Indonesia. The decline quality participant educate influenced from lack of learning media provided by educators in the learning process . A educator in fact own innovation and creativity in carry out the learning process . By progress such technology rapid , education in schools the longer the more experience change . Revolution Industry 4.0 is an era of innovation disruptive that makes innovation This growing very rapidly , so that capable help create new markets in the world of education . Education 4.0 is education that has trend in utilization digital technology in the learning process or known with a cyber system (Setiyono et al. 2025).

Use of LKPD based on Canva app with designs that have been customized eye lesson in accordance level the class that will taught with load skills cognitive , affective , and psychomotor participant educate believed capable make participant educate think critical . Ability think critical participant education is very necessary For understand and solve problem from lesson like question Knowledge Natural and Social Sciences (IPAS), Mathematics , PPKn , and others. Subjects the need reasoning , analysis , evaluation , and interpretation mind . With think critical in the learning process can reduce as much as possible Possible occurrence error moment finish something problems , so that later will obtained something settlement with correct conclusion (Latifa 2025b) .

Implementation curriculum independent expected capable make participant educate own competence adequate attitudes , knowledge , and skills . Implementation curriculum independence that demands educator For more creative and innovative in carry out learning as well as develop use teaching materials used in the learning process as support success participant educate in reach objective learning is very necessary . So that ability think critical participant educate can improved with existence Work The same between educators and participants educate in implement curriculum independence . From problems the researchers want to know How effectiveness of LKPD with innovations that have been done in increase think critical participant educate during the learning process ongoing (Danial and Arsyad 2025) .

## **METHOD**

Based on problems and goals in research , research This use approach research and development or Research and Development ( RnD ). The research and development methods used This For produce product and testing effectiveness product said , because products made will developed For study development . Product No always shaped object or device hard (hardware), such as books , tools help classroom learning or in the laboratory , but can also produce device software , such as classroom learning , computer programs For library data processing , learning , training , guidance , evaluation , etc. Hasyim (2016) stated that that there is a number of types of research and development models that is such as , Dick and Carey, ADDIE, ASSURE, Borg and Gall, and 4D. types research and development naturally own characteristics and can implemented For create , design , and develop

material or learning media . Research This is study development with using the ADDIE model includes analysis, design, development, implementation, and evaluation. Evaluation done use Tessmer evaluation . The use of the ADDIE model is due to the development model This own excellence in stages systematic work ( Nurwahidah , Irmawanty , and Riza Sativani Hayati 2025) .

## **FINDING AND DISCUSSION**

### **FINDING**

#### a. Procedure Development of LKPD Based on Canva App

The development of LKPD follows the ADDIE model with stages as following :

1. Analysis needs : Identification need participant education and gaps in social studies based learning skills think critical.
2. Design: Formulation LKPD structure which contains syntax learning based problems (problem-based learning) with visual elements from Canva.
3. Development : LKPD is prepared in interactive digital format and tested its validity by media experts and experts material.
4. Implementation : LKPD is implemented in class V in three meetings with selected science topics .
5. Evaluation : Evaluation formative and summative used For evaluate effectiveness of LKPD on ability think critical participant educate .

#### b. Research Data Analysis

Pretest and Posttest Results of Ability Think Critical Participant Educate:

Study This involving 20 participants educate Class V of Maranatha Elementary School, Sigi City District , Sigi Regency . Test initial (pretest) shows the average ability think critical of 39. After implementation of LKPD based on Canva app , average posttest score increased to 83.5.

Improvement This analyzed use N-Gain Score formula with results as following :

$N\text{-Gain} = (\text{Posttest score} - \text{Pretest}) / (\text{scoreMaximum score} - \text{Pretest score})$

With data:

Average pretest score = 39

Posttest mean score = 83.5

Maximum value value = 100 ( assumption mark maximum )

The calculation become :

$N\text{-Gain} = (83.5 - 39) / (100 - 39) = 44.5 / 61 = 0.73$

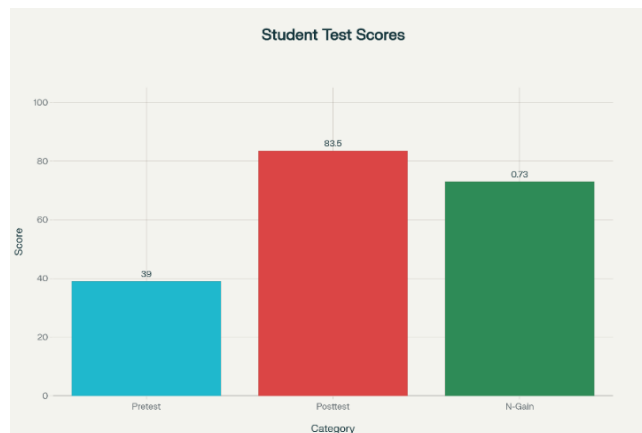
The N-Gain value of 0.73 is included in category currently until high , which shows that the use of Canva -based LKPD provides contribution significant to improvement ability think critical . Response participant educate towards LKPD shows that part big feel the appearance interesting , interactive , and easy understanding IPS concept . Students also feel more challenged For think , discuss , and express opinion during learning.

**Table 1. Summary of Pretest, Posttest, and Interview Results**

<b>NO</b>	<b>Name</b>	<b>Pretest Score</b>	<b>Post Test Score</b>
1	MEYLANI	50	80
2	WIDYAN	50	80
3	SOFIKA	40	100
4	SEREN	40	90
5	BAIM	30	80
6	MARSELA	40	90
7	RAFAEL	40	90
8	MORGAN	70	90
9	MARSYA	50	80
10	FEBRIANTO	30	90
11	FAUSTA	30	80
12	RIRIN	20	70
13	PRAISE ANNABELLE	30	90
14	LIONI	30	90
15	JUDIKA	30	70
16	KINO	30	90
17	CISEN	30	80
18	GERAL	30	60
19	FEBI	30	70
20	DEBORA	80	100
	Total	780	1670
	Average	39	83.5

c. Observation Results Activity Learning

During the implementation process , the teacher takes notes existence improvement participation students , good in discussion group and moment answer questions . Activities ask and give arguments are also more often appear compared to learning previously .



**Figure 1.** Results of Pretest, Posttest and N Gain Ability Think Critical Learners

## DISCUSSION

Study This aim For develop LKPD based on Canva app in science learning and study its influence to improvement ability think critical participant educate . Discussion This arranged based on two formulas problem main , namely : (1) how is the process of developing LKPD based on Canva app in science learning , and (2) whether there is influence use of Canva -based LKPD for improvement ability think critical participant educate (Aini and Kuswanti 2025) .

### LKPD Development Process Based on Canva app in Social Studies Learning

Development of LKPD in research This using the ADDIE development model which consists of of five stages , namely analysis , design , development , implementation , and evaluation . Each stages done in a way systematic and measurable :

1. Analysis need done For identify weakness in previous social studies learning , especially in push ability think critical . Findings show that participant educate need a more visual and interactive LKPD For support involvement cognitive they . LKPD design is designed with more interesting , so that student can analyze , evaluate , and solve problem contextual . Canva is selected as a platform because his abilities presenting information in attractive visual form . Development done with compile Canva -based LKPD , which is then validated by media experts and experts material . Validation results show that the LKPD is worthy used with “very good ” category from aspect appearance , clarity content and integration between subtopics . LKPD implementation is carried out on participants educate Class V of Maranatha Elementary School in three meetings . Each meeting integrating LKPD as material main in activity Study teaching . Evaluation done through pretest and posttest as well observation and questionnaire . Evaluation results show that LKPD does not only easy used , but also capable push student For think critical and active during learning taking place . With Thus , the process of developing Canva -based LKPD in social studies learning can it is said successful and appropriate with stages development good instructional .

2. Influence Use of Canva -Based LKPD for Ability Think Critical Students For know Influence Use of Canva -Based LKPD for Ability Think Critical Students , effectiveness test is carried out to LKPD with compare pretest and posttest results of ability think critical participant educated . The pretest results showed an average of 39, while posttest scores reached an average of 83.5 after use of LKPD. Improvement mark This analyzed use N-Gain formula , which yields score of 0.73, including in category currently until high . In addition , observations during the learning process show improvement participation student in discussion , courage convey opinion , and ability reflective asking . Response student towards LKPD is also very positive , where they consider LKPD display is attractive , easy understandable , and challenging in a way intellectual . Findings This in harmony with theory learning constructivist who emphasizes importance involvement active and exploratory independent in develop skills think level high . In other words, the use of Canva- based LKPD has been proven give influence positive to ability think critical participant educate (Maha and Manalu 2024) .

## CONCLUSION

The process of developing LKPD based on Canva application is done through stages of the ADDIE model, which include analysis needs, design, development, implementation, and evaluation . The resulting LKPD load attractive visual displays and activities designed learning For stimulate ability think critical participant educate. The use of Canva -based LKPD has been proven effective in increase ability think critical participant educate Class V of Maranatha Elementary School. This is shown with improvement the average score from 39 (pretest) to 83.5 (posttest), with N-Gain value of 0.73 which is included category medium – high . Response student towards LKPD is also very positive , accompanied by improvement participation in learning .

## REFERENCES

- Aini, Lusiati, and Nur Kuswanti. 2025. "PENGEMBANGAN E-LKPD BERBASIS PEMBELAJARAN KOOPERATIF TIPE THINK PAIR SHARE MATERI SISTEM SIRKULASI UNTUK MELATIH BERPIKIR KRITIS." 14(1).
- Danial, Muhammad, and Muhammad Arsyad. n.d. "Pendidikan Kimia, Universitas Negeri Makassar."
- Destya, Rahayuning, and Fida Rachmadiarti. 2025. "Electronic Student Worksheets Based on Project Based Learning: Innovation in Ecosystem Learning to Train Critical Thinking Skills of 10th Grade Students." 14(3).
- Keliat, Johannes, and Sabri Sabri. 2025. "Desain LKPD Berbasis Canva untuk Meningkatkan Motivasi dan Hasil Belajar Siswa pada Pembelajaran IPS di Sekolah Dasar." 14(4).
- Latifa, Ihwana. 2025. "LKPD BERBASIS SEARCH SOLVE CREATE AND SHARE (SSCS) UNTUK MENINGKATKAN KEMAMPUAN PEMECAHAN MASALAH." 5(3).
- Maha, Destri Br, and Kartika Manalu. n.d. "Pengembangan E-LKPD Berbasis Problem Based Learning (PBL) dalam Meningkatkan Keterampilan Berpikir Kritis Pada Materi Sistem Peredaran Darah Kelas XI IPA di SMA Negeri 1 Lau Baleng."

- Nasution, Maisarah, and Ashar Hasairin. 2025. "Development of IPAS worksheet using problem-based learning to improve critical thinking." 22(3).
- Nasution, Siti Suaibah, and KMS Muhammad Amin Fauzi. 2025. "Efektifitas Blended Learning Berbasis Guided Discovery Learning Untuk Meningkatkan Kemampuan Berpikir Kritis."
- Nurwahidah, Irmawanty, and Riza Sativani Hayati. 2025. "Pengembangan E-LKPD Berbasis Discovery Learning Berorientasi HOTS Pada Materi Ekosistem." *Jurnal Biogenerasi* 10(3):1961–67. doi:10.30605/biogenerasi.v10i3.6691.
- Pratiwi, Ningtyas Rahayu. 2025. "Development of LKPD Based on Project Based Learning on Environmental Changes to Train Critical Thinking Skills of X-Class High School Student." 14(2).
- Saputra, Aandri, and Heni Safitri. 2025. "404 PENGEMBANGAN LKPD IPA BERBASIS KONTEKSTUAL MENGGUNAKAN APLIKASI CANVA DALAM MENINGKATKAN KREATIVITAS DAN HASIL BELAJAR SISWA UNTUK SISWA KELAS VI SEKOLAH DASAR." 10.
- Setiyono, Bagus, Dea Amanda, Dina Rahmayeni, and Loly Ramadhani. n.d. "UPAYA PENINGKATAN HASIL BELAJAR PESERTA DIDIK MENGGUNAKAN E-LKPD BERBASIS CANVA PADA PESERTA DIDIK KELAS IV SDN 10 KOTO BARU."
- Simanjuntak, Fourtiwi Apriyani, and Iwit Prihatin. 2025. "(HOTS) DENGAN BERBANTUAN APLIKASI CANVA TERHADAP KEMAMPUAN BERPIKIR KRITIS SISWA PADA MATERI ALJABAR KELAS VII SMP NEGERI 1 PARINDU." 10.
- Uzma, Irakiya Ainun. 2025. "EFEKTIVITAS E-LKPD BERBASIS GUIDED DISCOVERY UNTUK MELATIHKAN KETERAMPILAN BERPIKIR KRITIS SISWA KELAS XII PADA MATERI PERTUMBUHAN DAN PERKEMBANGAN." 14(1).