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EFFORTS TO INCREASE STUDENT LEARNING ENTHUSIASM IN LEARNING ADDITION AND SUBTRACTION THROUGH THE ANIMATED VIDEO "ADDITON AND SUBTRACTION WITH DINOSAURS - MATH FOR KIDS - MATH OPERATIONS"

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Abstrak
Penelitian ini bertujuan memecahkan masalah matematika agar memberikan nilai positif terhadap intelektual siswa dalam pengembangan kemampuan pemecahan masalah matematika yang mana merupakan tuntunan dasar yang harus dikuasai oleh siswa, didalam tayangan video animasi " Addition and Subtraction with Dinosaurus - Math For Kids- Math Operations". Hasil penelitian ini didapat dengan metode deskriptif sebagai prosedur penelitian untuk menghasilkan data deskriptif berupa eksposur secara keseluruhan. Metode yang digunakan dalam penelitian ini adalah "Audio Visual" Sumber data utama untuk penelitian kali ini adalah film animasi " Addition and Subtraction with Dinosaurus- Math For Kids- Math Operations" yang ditayangkan di youtube. Membahas cara bagaimana cara berhitung tentang penjumlahan dan pengurangan dengan gambar animasi untuk menarik perhatian si anak dalam menonton video agar tidak bosan dan dapat memahami cara berhitung yang baik dan benar, dalam video ini juga mengajarkan cara awal tentang berhitung, bagi seorang ibu jangan khawatir untuk membiarkan si anak menonton video animasi yang satu ini, karena dalam video ini banyak mengandung makna positif untuk si anak memulai Bagaimana cara berhitung atau awal untuk memulai si anak menghitung dengan baik dan benar

Abstract
This study aims to solve mathematical problems in order to give positive value to students' intellectuals in developing mathematical problem-solving abilities which are basic guidelines that must be mastered by students, in the animated video show "Addition and Subtraction with Dinosaurus - Math For Kids-Math Operations". The results of this study were obtained using the descriptive method as a research procedure to produce descriptive data in the form of overall exposure. The method used in this research is "Audio Visual". The main data source for this research is the animated film "Addition and Subtraction with Dinosaurus- Math For Kids- Math Operations" which is shown on YouTube. Discusses how to count about adding and subtracting with animated images to attract the child's attention while watching the video so they don't get bored and can understand how to count properly and correctly, this video also teaches the initial way of counting, for a mother don't worry about letting the child watches this animated video, because in this video it contains a lot of positive meaning for the child to start. How to count or start to start the child counting properly and correctly

INTRODUCTION

Mathematics is a science in which there are objects in the form of facts, concepts, operations and principles. It is very important for students to understand all of these objects correctly, because some material in mathematics can be a prerequisite for mastering other mathematical material. Moreover, the material of addition and subtraction is the basic material.

According to Sujono (2009: 4), Mathematics is a subject that requires high concentration, because mathematics is basically knowledge of abstract objects and problems related to numbers. So the teacher must have. In fact, humans use math every day of their lives to calculate expenses, measure things, and more. Given the importance of mathematics in human life, mathematics needs to be introduced as early as possible.

Math with variations Components are introduced in a way that suits the characteristics and abilities of the child. There are lots of videos on math material that meet students' abilities to gain knowledge, skills and positive values. An example of a positive and educational video is the animation "Addition and Subtraction of Dinosaurs". One of the subjects at school that is always a problem for students is learning mathematics (Harefa, D., 2020a). For students, learning mathematics is a difficult subject that only certain people can learn. In addition, because the object is abstract, some mathematical material is difficult to illustrate its application in students' daily lives.

Therefore, many students avoid learning mathematics and do not want to learn mathematics. Students do not understand that problem-solving abilities can basically be developed by learning mathematics (Harefa, 2017).Through learning mathematics, it is expected to be able to develop the ability to develop skills and their application, carry them out accurately and efficiently, including skills to understand the use and role of mathematics in everyday life. Mathematics is a means to develop students' ways of thinking in everyday life, so it is necessary to equip students with rules from an early age. Therefore, everyone needs to master mathematics as a provision to face life in the era of globalization

Mathematical problem solving abilities are very important for student development, in cultivating mathematical problem solving abilities has a positive value for student intelligence and is a basic requirement that students must master. That is, students need to be trained and accustomed to solving mathematical problems. The need for problem solving skills is emphasized in every existing curriculum as an important competency that must be developed and integrated into many appropriate materials.

The importance of students' ability to solve problems in mathematics, so developing problem-solving skills is a general goal of teaching mathematics. Problem solving which includes methods, procedures and strategies is the core and main process in the mathematics curriculum. Then, motivation is the responsibility of the teacher. If students do not have motivation, learning becomes meaningless.

Motivation can stimulate creative and imaginative student interest in learning. Teachers create situations and conditions that allow students to meet their learning needs. Motivation has a psychological function to encourage behavior or action. Without student motivation there will be no learning behavior, motivation is a guide for students, and motivation is a driving force for students. To optimize learning objectives, success depends on how teachers package, plan, and motivate students to learn. Motivation will determine the success rate of students in learning because without motivation learning is useless. This shows that the position of motivation in teaching and learning activities is a very important part in the teaching and learning process.

The learning process, especially the mathematics learning process, cannot be separated from ministry and commission regulations, nor can it be separated from the opinions of the experts above, but conditions in the field did not achieve the expected results. Learning tends to be abstract and lectured in a way that makes academic concepts difficult or difficult to understand. Meanwhile, most teachers still pay little attention to students' thinking skills in teaching, and use fewer methods making it difficult to foster student learning motivation, and teaching methods tend to be rote and mechanical.

Learning using animated videos or audio-visual media is an integral part of increasing student motivation, because the link between what students learn and social reality can foster student motivation. Student learning motivation can encourage students to improve their academic achievement. To be able to develop motivation, teachers must make various efforts in the learning process. In the learning process motivation is needed because someone who is not motivated to learn cannot carry out learning activities. Therefore, motivation is needed in student learning to achieve the best learning results. The stronger the motivation to learn, the higher the possibility of learning outcomes.

The status of audio-visual media in the teaching process is inseparable from its role as a tool to stimulate student learning motivation and student enthusiasm for learning. Audiovisual media allows students to interact directly with their environment and allows students to learn independently.

Currently one of the parents revealed that most of the students did not understand addition and subtraction of fractions with the same denominator, because this textbook made it very difficult for them. During a pandemic like this, online learning is less educational, resulting in less direct interaction and communication for students. Therefore, facilities and infrastructure facilitate the learning process in computer-based communication, which is an important alternative to education today. Therefore, facilities and infrastructure facilitate the learning process in computer-based communication, which is an important alternative to education today.

This is in line with what Russel Fendi said “Many children after learning the easy part of mathematics, many do not understand and many concepts are misunderstood. Mathematics is considered a difficult and deceptive science” (Surya, 2012: 2) Students want a form of presentation that makes them more curious and

challenged to see how the animated object will move next. So they will continue to try to solve it. By observing the movement of animated objects carefully, they can automatically master the material presented in the learning videos. Especially now that students are often faced with online learning models, they really need someone who can invite them to think hard but also be interesting so they can understand the material provided online. Learning videos by displaying moving animations can really help students understand learning material, even though the teacher is not directly among them.

One of the materials in math class is fractions. This is in accordance with what was revealed by Heruman (2013: 4) that when learning mathematics, it is very important to relate students' previous learning experiences to the concepts being taught. Students must understand the concepts of prime numbers and minor common multiples in order to successfully complete addition and subtraction of fractions with different denominators. Addition is the basic arithmetic operation in the number system.

According to Sukayati (2011: 24), addition is a rule that connects each pair of numbers with other numbers. This addition has properties, namely commutative properties, identity properties, and associative grouping properties. From this understanding it can be concluded that addition is the basis of arithmetic operations that relate each pair of numbers to other numbers. Subtraction is subtraction or the reverse of addition. According to (Sukayati, 2011:24) subtraction is the opposite of addition, but subtraction does not have properties like addition. Subtraction has no commutative, identity and grouping properties. From this understanding it can be concluded that subtraction is subtraction or the opposite of addition and does not have the properties of addition.

Therefore, this study would like to present an overview of addition and subtraction in an animated video work entitled "Addition and subtraction and dinosaurs - Mathematics for children - Mathematical operations". Positive or negative speech acts so that researchers can find out whether the animation educates and facilitates children's learning or not

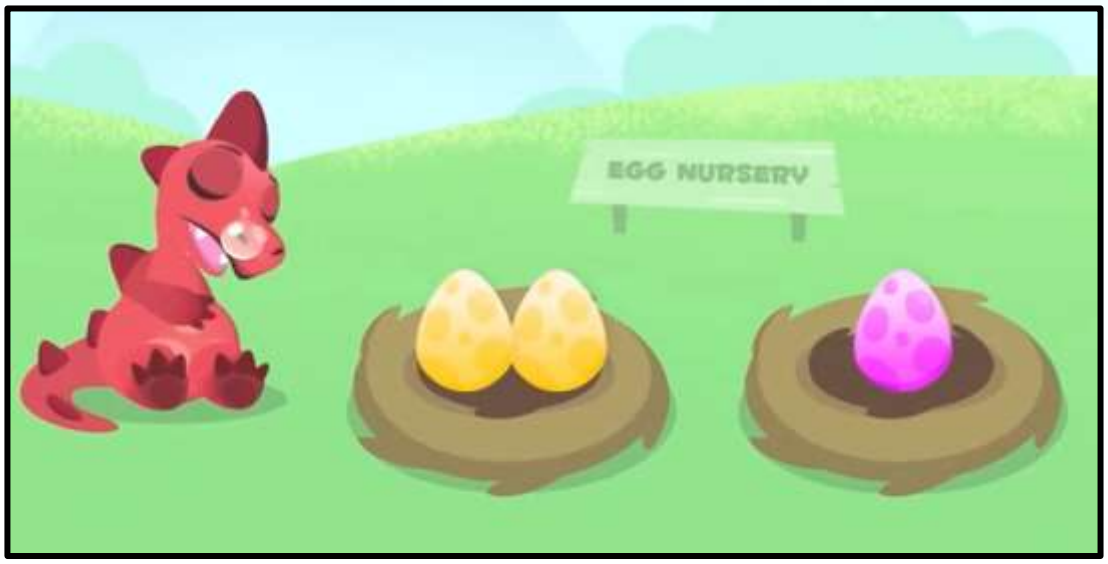
RESEARCH METHODOLOGY

This study uses Audio Visual to develop cognitive abilities by providing stimulation in the form of moving images and sound, as well as conveying messages to influence attitudes and emotions. The method used in this study is "Video Analysis".

The main data source for this study is an animated video entitled “Adding and subtracting with Dinosaurs-Math for kids-Math Operations” and live on the YouTube app platform. The research tool used is audio-visual.

RESULTS AND DISCUSSION

The following are some conversations that can help children calculate addition and subtraction so that they are easier to understand and can help shape children's character in counting properly and correctly:



When dino was guarding his eggs, dino was very worried because dino didn't know how many eggs he had.

Smile and study.
: Hey dino what's wrong i see you worried do you know what all this cross is for you.
: No that's a plus sign for addition do you know how to add?
: Don't worry dino I will teach you how.

When the dino sleeps.
: Hey dino wake up you have to take care of all these eggs do you know how many there are let's add them.
They add up means arranging or grouping several things.
: Today we are going to sum up the dinosaur eggs, are you ready?

Let's see how many eggs there are here we have one and two and down there we have one so all that adds up one two and three, three there are three eggs two plus one equals three, we've done our first addition, add two plus one giving you these three has been your first addition.

: Dino are you excited, wow looks like you have more eggs to look after.

Do you know how many eggs there are now we have to add up here there's one and two eggs and down there we have one two and three eggs we have to add two plus three so all the eggs together will add up to one two three four and five we have five eggs two plus three equals five the sum of two plus three is five.

: Well done dino do you like adding up more eggs falling to the bottom let's add them up to find out how many total eggs you have to look after okay.

Here we have one two three four and five eggs and down there we have one two and three eggs we have to add five plus three so the result is one two three four five six seven and eight we have eight eggs five plus three equals eight, happy dino today you have to look after eight dinosaur eggs now you know how to add up.

: You've fallen asleep again dino wake up everyone's gone you're not a keeper of dinosaur eggs are you ok.

Dino today we have learned how to add do you want to recap we can also do horizontal addition done in the same way notice two plus one equals one two and three two plus one equals three let's do the next two plus three equals with one two three four and five two plus three equals five again, let's do it again one five plus three equals one two three four five six seven and eight five plus three equals eight.

: Very well I'm afraid there's nothing we can do about the dino, he's

had a rough day so let's let him sleep a little more bye everyone.

Now by counting together, it's one way to show mutual

help, which can shape children's character in counting properly and correctly.

All work if done together with food will feel light, where at first Dino was worried that there would be how many eggs Dino had to take care of because at first Dino didn't understand how to count, and after doing the counting together finally Dino knew how many eggs he had to dino keep.

Furthermore, after counting the eggs, Dino fell asleep because he was bored, finally Dino bought ice cream.

: Wow dino you have two big ice cream you took so long to eat both of them. Wow you are really hungry right now we are full we can practice addition.

: What do you say Let's add up how much ice cream there is in here we have one and two and down there we have one come on you add I'll give you a second.

: You understand let me try all the ice cream together it will be one two three three there are three ice cream two plus one equals three.

: We've just done the first sum of the sum of two plus one equals three. Congratulations, dino, let's try one more, there's one ice cream here and three down there.

Why don't you add it, take your time, you understand if we add these ice creams together, we will get a total of one two three and four, four we have four ice creams a total of one plus three equals four, we will continue now you gonna have to add these two ice creams to the two ice creams down there, I'll give you a few seconds to add them.

How do you get it the result of adding two plus two is one two three and four four there four ice cream two plus two equals four.

Let's try one more you have to add four of these ice creams to one ice cream down there let's get the sum of four plus one is one two three four and five five that's five ice cream four plus one eq uals five, let's try that Lastly we have to add these three ice creams here to the two ice creams down there let's do that the sum of three plus two is one two three four and five five there are five ice cream three plus two equals five.

: And what are you going to do with all that ice cream dino in are you going to eat it you're going to feel sick dino isn't it better if you save it for later.

After Dino ate the ice cream, Dino felt bored again because he had too much ice cream, but Dino was still not full, then that night he had dinner with a hamburger that Dino made himself.

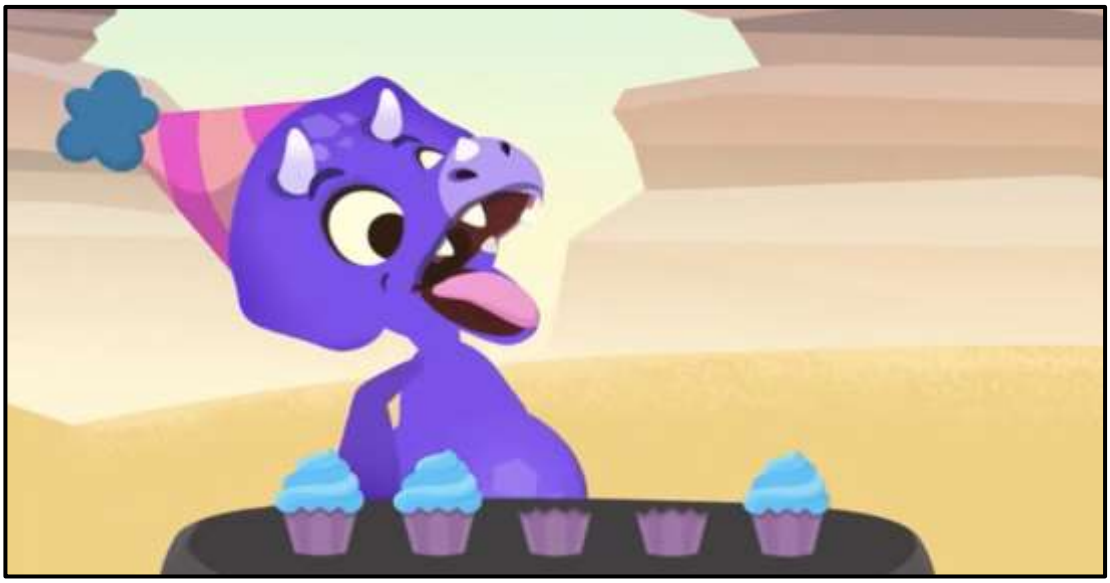
Because hunger didn't take long to eat his hamburger, dino felt full, and the hamburger that dino made didn't run out still had leftovers, then the leftover hamburger was kept by dino.

That was the result of the addition, using the number of eggs and ice cream that we have added up. Next we will calculate the reduction using cake.

: Hey sorry what's the problem I see you are worried do you know what all those lines are for you.

: Isn't that the minus sign subtraction symbol do you know how to subtract?
: Don't worry sorry I'll teach you how cool these cupcakes look sorry are you hungry come on don't be shy eat one in one bite you're never full sorry okay.

You know you just subtracted without knowing it, we subtract to find out how much is left after taking some of them, like you did with these cupcakes, for example before there were three cupcakes on the table and you've eaten one so if we take one out of three there will be one and two cupcakes left three minus one equals two great we've done the first subtraction we see how easy yum yum these cupcakes are mouthwatering but wait sorry you've subtracted again without noticing how many are left next time here are five cupcakes and you already ate three so if we take three out of five there will be one and two cupcakes left two five minus three equals two awesome are you still hungry



There is nothing we can do with you, sorry are there seven cupcakes on the table and you have eaten four cakes, if we take four out of seven one two three and four the result is one two and three, three seve n minus four equals three great job sorry do you like subtracting i said sorry too many cupcakes well let's recap the subtraction we practiced today ok we can also do horizontal subtraction done the same way notice three minus one equals one and two three minus one equals two awesome let's do the next one if i take three cupcakes out of these five cupcakes one two and three i'll be left with one and two cupcakes five minus three equals two very good sorry we'll try the last one if i take four cupcake of seven cupcake one two three and four i'll be left with one two and three seven minus four equals three done ok sorry now you know how to reduce do you feel better sorry i have nothing we can do for you sorry.

That's the result of reducing the use of reducing cakes, in this video besides reducing using cakes you can also use balloons and cans.

There is a lot of knowledge in the Addition And Subtraction With Dinosaurs-Math For Kids-Math Operations animation video which discusses how to calculate addition and subtraction with animated images to attract children's attention while

watching videos so they don't get bored and can understand how to count properly and correctly.

This video also teaches how to start counting, for mothers, don't worry about letting your child watch this animated video, because this video contains a lot of positive meaning for your child to start how to count or a prefix to start your child counting properly and correctly.

CONCLUSION

To assist children in calculating addition and subtraction so that it is easier to understand and can help build children's character in counting properly and correctly. The research discusses the animated video Addition And Subtraction With Dinosaurs-Math For Kids-Math Operations which discusses how to count addition and subtraction with animated images to attract children's attention while watching videos so they don't get bored and can understand how to count properly and correctly, In the video This also teaches early methods of counting, for mothers, don't worry about letting your child watch this animated video, because this video contains a lot of positive meaning for your child to start how to count or how to start counting properly and correctly.

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