

Intervention Programs for Physical Education Teachers in Natural Disaster Region Using Kids Athletics Media

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Abstract: *This study aims to intervene the teacher of physical education and sports with kids athletics as a learning medium in the disaster area of Mount Sinabung Tanah Karo Regency, North Sumatra Province Indonesia. This study was conducted with descriptive research method. The samples of this study were 33 of physical education teachers. The instruments of this study were test and portfolio sheets. Analysis was used data exposure and percentage. Result of this study: (1) Intervention with kids athletics as a medium of learning was very good for the preparation of teachers in teaching physical education and (2) The ability of teachers in the practice of application of kids athletics as a medium of learning was very good and in accordance with the conditions of physical education and sports education in the disaster area of Mount Sinabung Karo Regency, North Sumatra Province of Indonesia. The implication of this research result is training and field practice by using athletic kids can be used as alternative for teacher in physical education in the area of natural disaster.*

Keywords: Athletic, Sport Science, Physical Education

1. Introduction

2013 has been a disaster in various places in Indonesia, both because of landslides, flash floods, and mountains erupted. One of the volcanoes in Indonesia is Mount Sinabung Tanah Karo Regency, North Sumatra Province. The eruption of this mountain makes the refugees reach 26,174 inhabitants. The number of refugees consists of 8,161 heads of households. The refugees were scattered in 39 refugee points. Kompas [1]. This condition makes people feel the impact of the loss of homes, farmland and plantation. John R Freedy [2] In the field of education, the destruction of facilities / educational facilities such as schools, learning equipment and so on, so it is very influential on the limited learning services to students provided by the school. From the mental side of the children are depressed, the fear is extraordinary, despair, and no longer have hope of the future Uguak [3]. Teachers and students can't carry out the learning because the school and field pages can't be used. The condition is shattered and covered in dust. The immediate impact of this event is the learning of physical education and sports learning outside the classroom. Meanwhile, the demands of the child's curriculum to keep learning must still be carried out under any circumstances even if displaced Neil Dufty [4]. So we need a way or media that allows teachers to be able to assist students in the refuge with in the process of teaching and learning. Motowani [5].

The learning process of physical education in the disaster area needs a special way, although the same goal is to improve students' knowledge, skills and attitudes. Education is therefore an integral part of education as a whole through various physical activities aimed at developing organically, neuromuscular, intellectually and emotionally that contribute through the experience of motion, for growth and development as a whole for each child. Ateng [6], Mothohir, [7], Pangrazi [8]. The implementation of physical education refers to the curriculum set by the central government with all the tools of Education Unit Level Curriculum [9]. In

connection with that required the right media in learning in the area hit by the disaster Sinabung mountain. Media is anything that contains information in the form of messages or models of movement to be conveyed to students. Suleman [10] The media and tools to be used for the intervention of physical education teachers and sports are athletic kids. Susilana [11]. Because the media is a tool that has the function of conveying messages, Burhanuddin at, al [12].

Meanwhile Kids Athletics is a set of tools devoted to children's sporting activities. IAAF [13]. In accordance with the name of Kids Athletics is athletics is intended for children, and then the athletic learning media is also intended for children. Hars [14] Kids athletics are created with the aim of fulfilling children's interest in motion activities, introducing the basics of athletic movement in the form of games, stimulating growth and physical development and maintaining health, avoiding child boredom, and providing solutions for kids sports lovers in getting the right equipment.

Kids Athletics presents excitement, new event exercises and diverse compulsory movements require mastery within the scope of a team / team at different locations within the competition environment. IAAF [13] Moreover, this event allows for a large number of children to participate in it in the possibility of the nearest area and within a period of time that can be taken into account. With basic movements in the kids athletics such as running, endurance, jumping, throwing can be done and trained in a play arrangement. IAAF [13] In applying the learning strategy for teachers of physical and sports education required the ability of teachers both who master the theory and practice, because the process of physical education in the form of performance motion. So in this study the teacher was first provided about the theory of athletic education as a medium of learning through training and subsequently applies the learning of physical education and sports in the refugee camp of the victims of the Sinabung mountain disaster. So the purpose of this

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research is to intervenes physical education teacher by using athletic kids as a learning medium in the disaster area of Mount Sinabung, Tanah Karo Regency, North Sumatra Province, Indonesia.

2. Material & Methods

The place of study was at Grand Antares Hotel, Jl Sisingamangaraja Medan. The time of study implementation consists of two stages. stage I was on July 26th - 28th, 2015 which contains training on the theory of using kids athletics and stage II was on August 1st - November 1st, 2015 which contains the practice of applying athletic kids in the area of Sinabung Siosar village disaster. The research method was descriptive method. Samples of this study were 33 of physical education teachers. The instrument of this study

was test and portfolio sheets. Data analysis was by using percentage data exposure. The data of physical and sports education teachers sampled in this study are listed in the following table:

Table 1: Background of Teacher Education Physical Education and sports in the disaster area of Mount Sinabung Karo Regency, North Sumatra Province

No	Number of teacher	Educational background
1	5	SGO
2	21	D1/D2/D3
3	6	S1
4	1	S2

Implementation of stage I research, training on the theory of using athletic kids can be seen in the following figure:



Figure 1: Training on Kids Athletics that contains the raw materials of the tool, how to make it, its size and how to use it as a medium of learning physical education and sports.

Training materials and tools of athletic kids as learning media of physical education and sport can be seen in the

following figure:



Figure 2: Kids Athletic learning media tools



Figure 3: Examples of Kids athletic drawings as learning media of physical education and sport.

Implementation of learning physical education and sports by applying the media athletic education as a medium of learning can be seen in the following figure:



Figure 4: The teacher was prepares the displaced children of Sinabung disaster victims to learn physical education and sports with Kids Athletics learning media.



Figure 5: Some formations of Kids Athletics as a medium of learning physical education and sports in the disaster area of Mount Sinabung Karo Province of Sumatra Province.



Figure 6: Implementation of physical education and sports education with learning media Kids Athletics in the disaster area of Mount Sinabung Karo District, Sumatra Province

3. Result and Discussion

The results of the first stage of research on the theory of

athletic kids as a medium of physical education and sports education based on educational background can be seen in the table:

Table 2: Results of training on mastery of athletic theory of children as a medium of learning Physical Education and sports based on educational background.

No	Educational background	Number of teacher	Number of Teachers which Mastering the Theory at Workshop	Mastery Level	Presentation
1	SGO	5	4	Very good	80%
			1	Medium	20%
2	D1/DII/DIII	21	19	Very good	90,47%
			2	Medium	9,53%
3	S1	6	6	Very good	100%
4	S2	1	1	Very good	100%
	Total	33	33	-	-

Based on the table above it can be explained that, of the 5 teachers who had educational background of Sports Teacher School (SGO) there were 4 teachers (80%) was very good in mastering the theory of athletic education as a medium of physical education and sports education and 1 teacher (20%)

had the ability medium. It is highly relevant to his experience as a physical education teacher and sport for many years, while 1 teacher (20%) has a skill in mastering athletic education as a medium of physical education and sport due to age. From 21 Diploma 1, II and III there are 19

teachers (90,47%) very good in mastering theory of athletic education as medium of physical education and sport and 2 teacher (9,53%) have medium ability. This is directed from the results of the test when attending training on athletic education as a medium of physical and sports education and experience as a sports teacher, while there are 2 teachers (9.53%) whose skills are in mastering theories when the training is due to lack of material understanding and creativity in follow the training. From 6 teachers (100%) Bachelor and 1 teacher (100%) Megister were all excellent in mastering the theory of kids' athletics as a medium of

physical education and sports education. Bachelor and Masters Graduates easily absorb learning information provided by resource persons on the theory of kids athletic material as a medium of learning physical education and sports. Cecilia [15] Páivi [16].

Research stage II was to see the ability of physical education teachers and sports in applying athletic kids as learning media in the area of Sinabung mountain disaster The results can be seen in the following table:

Table 3: Results of Application of athletic Kids as a medium of learning physical education and sports at the location of evacuation victims of Mount Sinabung disaster Tanah Karo District, North Sumatra Province.

No	Educational background	Number of teacher	Number of Teachers which Applying the Athletic Kids at the Evacuation Site	Ability Level	presentation
1	SGO	5	5	Very good	100%
2	D1/DII/DIII	21	17	Very good	80,95%
			4	Medium	19,05%
3	S1	6	6	Very good	100%
4	S2	1	1	Very good	100%
	Total	33	33	-	-

The results of the application of kids athletics as a medium of learning physical education and sports in Daeahr mountain disaster Sinabung Tanah Karo District of North Sumatra Province, 5 teachers (100%) with educational background of School of Sports Teachers are all very good at applying kids athletics as a medium of learning physical education and Sport. Although in the first phase of research that is about the mastery of theory and practice in the classroom there are 1 teachers who have the ability to be moderately toeritis and age factor but when applying or practice highly qualified, very successful in applying athletic kids as a medium of physical education. 21 teachers of Diploma, I,II,III, 17 teachers (80.95%) are very good at applying kids athletics as medium of physical education and sport education while 4 teachers (19.05%) have medium ability. Factors that cause, among others, lack of ability in making variations of learning so that students are less interesting. In the first phase of research workshop, there are 19 teachers who are very good mastery of teorinya, and 2 teachers who have medium ability. However, 2 very good teachers of his theory were not supported by field practice skills, and 2 teachers whose theoretical skills were correlated with practice were also moderate. In the first phase of the research workshop, there were 19 excellent teachers in their teor, and 2 teachers with moderate ability. However, 2 very good teachers of his theory were not supported by field practice skills, and 2 teachers whose theoretical skills were correlated with practice were also moderate. And from 6 teachers (100%) Bachelor and 1 teacher (100%) Masters are all capable of applying athletic kids as a medium of excellent physical education. [4] This condition is relevant between the ability of theory and its practical abilities. Graduates of Bachelor and Masters are easy to absorb and apply them in practice of teaching and learning process in Sinabung disaster area of Karo Regency, North Sumatera Province, Indonesia. Cecilia [15] Páivi [16].

training on kids athletics as a medium of learning is very good for teacher preparation in teaching physical education and sports, (2) The ability of teachers in applying athletic kids practice as a medium of learning is very good and in accordance with the condition of physical education and sports education in the disaster area of Mount Sinabung, Karo Regency, North Sumatra Province of Indonesia, although teachers have different educational background that is from School of Sports Teacher (SGO), Diploma I, II, and III, graduate and master of physical education and sports.

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4. Conclusion

Conclusion of this study were : (1) Intervention with

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