

Data Collection on Physical Education Learning Media in Schools of Montasik District, Aceh Besar

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Abstract

Data collection is a process or techniques conducted to obtain information or data. The data collection techniques include direct observations, interview, field measurement with either written test or direct physical test. Learning media are materials, tools or techniques that are used in learning activities intended to achieve an effective communication and interaction between teachers and students.

This research is a descriptive qualitative research. Descriptive research is a research that illustrated current events and phenomenon". The population of this research include headmasters and Physical Education teachers accounted for 8 people. The data collection conducted in schools of Montasik District, Aceh Besar, utilizes interviews and documentation studies technique.

Based on interviews conducted in this research, there are many schools that are lacking Physical Education learning media. Only 2 schools of 8 studied schools achieved the standard of learning media completeness. Schools in Montasik district lack understanding in the management of physical education learning media, as evidenced by the lack of maintenance and storage carried out by the school, hence many learning media are damaged and lost resulting in not optimal utilization of the learning media in the learning process. Based on this results, it can be concluded that the learning media of Physical Education subject in Montasik district schools is incomplete or inadequate.

Keywords: *Data Collection, Physical Education Learning Media and Conditions*

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I. Background

Education is the learning of knowledge, skills, and habits of people transferred from one generation to another generation through teaching, training, or research. Education enables people to be motivated to be better self in every aspect of life. Education is one of the important requirements to develop the Indonesian government. Therefore, education at every level from elementary schools to university is important. Education aims to build one's characters to be a better individual or social being.

Physical Education (PE) is an important subject because it helps students to develop and grow naturally. It is caused by the nature of the PE that prioritizes physical activities, exercises and healthy life styles in its application.

In order to achieve a good quality physical education, sports and health in schools, especially at elementary school level, it is necessary to have support from various parties, both from the government, administrators and school committees, especially in terms of providing adequate learning facilities and media. "Learning and teaching facilities are essential in making changes and reforms in education. This is because learning facilities are educational facilities and infrastructure that cannot be ignored in the educational process, especially in the teaching and learning process." Samsudin (2008:73).

Without proper learning facilities, the implementation of the education cannot properly run because the availability of facilities and learning media greatly affects the quality of education to be implemented. Learning

media is utilized as a tool in learning activities. In schools, media is a technique used in order to create an effective communication between teachers and students in the education and teaching process. In other words, the media is a component of learning resources or physical tools that contain instructional materials in the student environment that stimulate students to learn.

Sumiati and Asra (2009:149) say that "learning resources are materials that can be used to help teachers and students to achieve learning goals". This means that the use of media in learning will greatly help the effectiveness of the learning process and the delivery of information (messages and lesson content).

Likewise, in Physical Education subject, facilities and media are very important needs. All sports and games taught in PE subject require facilities or learning media to support successful learning. However, in reality, the availability of facilities and learning media for PE at schools in Montasik District, Aceh Besar, is still very limited.

II. Research Procedures

Interviews and documentation studies are utilized as research methods in this study.

1. Interview

Interview is a dialogue conducted by the interviewer to obtain information, Arikunto (1992: 126).

The conducted interview in this was in the form of open interviews, where respondent was given freedom to answer the question from the researcher. Respondents in this research include headmasters and PE teachers in the designated schools. To produce a systematic and recorded interview, the researcher prepared the questions and recorder before the interview started.

2. Documentation Study

Documentation study is a method of collecting qualitative data by viewing or analyzing documents made by the subject himself or others about the subject. Documentation study is one way that qualitative researchers can do to get a picture from the subject's point of view through a written medium and other documents written or made directly by the subject concerned. Hediannyah in Haris (2009:143).

The instruments for data collection of physical education learning media in schools throughout Montasik District, Aceh Besar, are as follows:

Table 3.1 Instruments for Data Collection of Physical Education Learning Media at Elementary School Level

Variable	Indicator	Sub-Indicator	Item
Data Collection on Physical Education Learning Media in Montasik District Schools, Aceh Besar	Learning Media	Volleyball	1. Number of volley balls
			2. Advisability of the volley balls
			3. Number of volleyball net
			4. Condition of volleyball net
			5. Number of volleyball court
			6. Condition of volleyball court
			7. Procurement source
			8. Standard Operating Procedure (SOP) to use
			9. Maintenance
			10. Modification of learning media
		Football	1. Number of foot balls
			2. Advisability of the foot balls
			3. Number of football field
			4. Procurement source
			5. Standard Operating Procedure (SOP) to use
			6. Maintenance
			7. Modification of learning media
		Athletics	1. Athletics
			2. Number of learning media
			3. Advisability of the learning media
4. Number of court			

Variable	Indicator	Sub-Indicator	Item
			5. Condition of the court
			6. Modification of media
			7. Procurement source
			8. Standard Operating Procedure (SOP) to use
			9. Maintenance
		Bola basket	1. Number of basket balls
			2. Advisability of the basket balls
			3. Number of courts
			4. Court condition
			5. Procurement source
			6. Standard Operating Procedure (SOP) to use
			7. Maintenance
			8. Modification of media
		Baseball	1. Number of baseball bat
			2. Number of base balls
			3. Condition of baseball bat
			4. Baseball condition
			5. Learning place
			6. Learning place condition
			7. Procurement resource
			8. Utilization Standard Operating Procedure (SOP)
			9. Maintenance
			10. Modification of learning media
		Rounders	1. Number of bat
			2. Number of ball
			3. Bat condition
			4. Ball condition
			5. Learning place
			6. Learning place condition
			7. Procurement resource
			8. Utilization Standard Operating Procedure (SOP)
			9. Maintenance
			10. Modification of learning media
		Martial arts (Pencak Silat)	1. Martial arts type
			2. Number of tools
			3. Tools condition
			4. Learning place
			5. Learning place condition
			6. Modification of learning media
			7. Procurement resource
			8. Standard Operating Procedure (SOP) to use
9. Maintenance			

Table 3.2 Instruments for Data Collection of Physical Education Learning Media at Junior High School Level

Variable	Indicator	Sub-indicator	Item	
Data collection on Learning Media Physical Education in Montasik District Schools, Aceh Besar	Learning media	Volleyball	<ul style="list-style-type: none"> • Number of volley balls? • Advisability of volley balls? • Number of volleyball net? • Volleyball net condition? • Number of volleyball court? • Volleyball court condition? • Procurement source? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of learning media? 	
		Football	<ul style="list-style-type: none"> • Number of football? • Advisability of the footballs? • Number of football field? • Football field condition? • Procurement source? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of learning media? 	
		Gymnastics	<ul style="list-style-type: none"> • Number of gymnastics equipment? • Advisability of gymnastics equipment? • Learning place? • Advisability of learning place? • Procurement source? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification learning media? 	
			Athletics	<ul style="list-style-type: none"> • Athletics? • Number of learning media? • Advisability of the learning media? • Court? • Court condition? • Modification of learning media? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance?
			Basketball	<ul style="list-style-type: none"> • Number of basket balls? • Advisability of basket balls? • Number of court? • Court condition? • Procurement source? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of learning media?
			Martial arts (Pencak Silat)	<ul style="list-style-type: none"> • umber of tools? • Tools condition? • Learning place? • Learning place condition? • Modification of learning media? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance?
		Swimming	<ul style="list-style-type: none"> • Utilized learning media? • Advisability of the learning media? 	

Variable	Indicator	Sub-indicator	Item
			<ul style="list-style-type: none"> • Teaching place? • Learning place condition? • Modification of the learning media? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance?
		Rhythmic	<ul style="list-style-type: none"> • Utilized learning media? • Condition of the learning media? • Teaching place? • Condition of the learning place? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance?
		Baseballs	<ul style="list-style-type: none"> • Number of baseball bat? • Number of baseballs? • Baseball bat condition? • Baseballs condition? • Learning place? • Condition of the learning place? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of the learning media
		Badminton	<ul style="list-style-type: none"> • Number of badminton rackets? • Number of shuttlecock? • Rackets condition? • Shuttlecocks condition? • Teaching place? • Condition of the teaching place? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of the learning media
		Table tennis	<ul style="list-style-type: none"> • Number of bats? • Number of table tennis balls? • Number of table? • Bat condition? • Ball condition? • Table condition? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance? • Modification of the learning media
		Physical fitness	<ul style="list-style-type: none"> • Utilized learning media? • Learning media condition? • Learning place? • Condition of the learning place? • Procurement resource? • Standard Operating Procedure (SOP) to use? • Maintenance?

III. Results

Based on the results of interviews and documentation studies of physical education learning media in elementary and junior high schools throughout Montasik District, Aceh Besar, there are schools that are lacking

in sufficient learning media in the learning process. There are 8 schools in Montasik district, accounted for 5 elementary schools and 3 junior high schools. Of the 8 existing schools, the researcher found that none of the schools met the learning media ownership standards in accordance with Regulation of Education Ministry (PERMENDIKNAS) number 24 of 2007. The number of learning media in 5 elementary schools located in Montasik District, Aceh Besar, including, 3 volleyball with proper conditions, 4 volleyball nets with 4 proper and 1 infeasible conditions, 5 fields with 3 proper conditions and 2 less feasible, 3 learning media modifications with proper conditions, 9 footballs with 8 feasible conditions and 1 infeasible condition, 5 courts with 3 proper conditions, 1 less feasible and 1 infeasible, 4 baseball bats with 1 proper condition, 2 less feasible and 1 infeasible, 28 baseballs with 22 feasible and 6 infeasible conditions, 3 courts with 2 feasible and 1 less feasible conditions, 77 athletic learning media with different materials 60 with feasible conditions, 7 less feasible and 10 infeasible, 1 basketball with decent conditions, 3 rounders bats with 3 proper and 1 infeasible conditions, 28 balls with 22 feasible and 6 infeasible, 3 fields with 2 proper and 1 infeasible conditions, while martial arts (pencak silat) only has 1 learning media, namely a guideline books or printed books for physical education lessons because they are only taught in theory.

As for junior high schools, from interviews and documentation studies, the number of available learning media includes 8 volleyballs with 7 proper conditions and 1 less feasible, 4 volleyball nets with 3 proper conditions and 1 less feasible, 3 courts with 1 proper condition, 1 less feasible and 1 infeasible, 8 soccer balls with 7 proper conditions and 1 less feasible, 3 courts with 2 proper conditions and 1 less feasible, 3 gymnastics mats with decent conditions, 3 gymnastics learning places with decent conditions, 22 media athletic learning with 22 feasible and 3 less feasible, 3 fields with decent conditions, 3 basketballs with decent conditions, 1 basketball court with decent conditions, 1 swimming goggles with decent conditions, 2 projectors for rhythmic gymnastics learning media with decent conditions, 1 field with proper condition, 2 baseball bats with proper condition, 7 baseballs with proper condition, 2 baseball courts with proper condition, 21 badminton rackets with 14 decent conditions and 7 less feasible, 25 shuttlecocks in decent condition, 3 badminton courts with 2 decent and 1 infeasible conditions, 10 table tennis bets with 6 decent conditions, 2 less feasible and 2 not feasible, 27 tennis balls in decent condition, 4 tables with 3 decent conditions and 1 less feasible, 3 learning media for martial arts (pencak silat) with decent conditions and 1 martial arts (pencak silat) court with feasible conditions.

IV. Conclusion

Based on the results of research conducted in Montasik District schools, Aceh Besar, it can be concluded that the number of learning media in 5 elementary schools located in Montasik District, Aceh Besar, include, 3 volleyballs, 4 volleyball nets, 5 fields, 3 modified media, 9 soccer balls, 5 soccer fields, 4 baseball bats, 28 baseballs, 3 fields, 77 athletic learning media, 1 basketball, 3 rounders bats, 28 balls, 3 rounders courts, while martial arts (pencak silat) only has 1 learning media, namely physical education textbook/printed book. As for Junior High Schools, from interviews and documentation studies, the number of available learning media includes 8 volleyballs, 4 volleyball nets, 3 volleyball courts, 8 soccer balls, 3 soccer fields, 3 gymnastics mats, 3 gymnastics learning places, 22 athletic learning media, 3 athletic fields, 3 basketballs, 1 basketball court, 1 swimming goggles, 2 projectors for rhythmic gymnastics learning media, 1 gymnastic field, 2 baseball bats, 7 baseballs, 2 baseball courts, 21 rackets, 25 shuttlecocks, 3 badminton courts, 10 table tennis bets, 27 table tennis balls, 4 tennis tables, 3 learning media for martial arts (pencak silat) and 1 martial arts (pencak silat) court.

In conclusion, based on the study conducted in Montasik District schools, Aceh Besar, the condition of learning media in term of maintenance and storage are as follows; in elementary schools of Montasik district, Aceh Besar, there are 137 learning media with proper condition, 16 learning media with less feasible condition, and 27 learning media with infeasible condition. As for Junior High Schools, there are 151 learning media with proper condition, 18 learning media with less feasible condition, and 4 learning media with not feasible condition.

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