



The Utilization of the Environment as a Medium Instruction by Physical Education Teacher in the Coastal

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Abstract

The purpose of this research is to know the types and ways to utilize the environment as a medium of learning from junior high school teachers in the coastal area of Kebumen Regency. This research method using qualitative research approach with data technique using interview technique, observation, and documentation. The research instrument uses interview guides and photo documentation. The results of environmental research are used as a place of learning in the coastal area Kebumen District, village buildings, beaches, and roads around the school. The environment used as learning media for Physical Education consists of paper assignment, modification of ball from coconut husk, perforated vessel made from used bucket, paint bucket cover and wood board for supporting learning. The conclusion of this research is the teacher of the coastal area surveyed Kebumen uses various ways to utilize the environment as a place of learning and learning media such as field to learn the big ball game and small ball game, while beach and school access road to learning athletics.

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INTRODUCTION

Physical education, health and sports is the main medium of education using physical activity or physical. Setiawan Aji (2012) is the Association of physical education pedagogy in the world of motion and physical appreciation. According to the Ega Trisna Rahayu in his book learning strategies of physical education, physical education is an educational process that utilizes the physical activity has been planned aims systematically to develop and improve individual organically, neoromuscular, perceptual, cognitive, and emotional, within the framework of national education (Ega, 2013). Physical Activity tailored to the selected objectives to be achieved and the capabilities of the students. The selected physical activity is emphasized in a variety of physical activities are reasonable, physical activity that requires little effort as a recreational activity and physical activity or in desperate need of hard effort such as for sporting activities coaching or achievements.

Physicaleducation, healthh and sports have the same goals with the goals of national education that is to equip students with skills or a useful life skill as a provision in the live the life at a later date. According to Aris Shoimin, "the education system in Indonesia should be in focus on the success of learners with the guarantee ability directed at life skill that can sustain the future well-being of the learners themselves to his family as well as the his future with a decent life in society "(Shoimin, 2014). One of the ketercapaian PJOK learning objectives is to equip students for skilled, responsive and capable of resolving the problems encountered in the environment of place of residence

The environment is where the activity of people's lives every day. Each region has different environmental characteristics. So the pattern of life of communities in each region will be different as well. The existence of the PJOK benefit from learning environment as a medium of instruction or as a place to learn it will be able to equip the student's skills in daily life in the neighborhood. The appropriate time to equip student skills is on the first level of secondary schools. A learning experience in the subjects of physical education of sports and health is directed to foster the growth of physical and psychic to be better development, at the same time shape the patterns of living lifelong healthy and fit. The Professional Physical Education teacher is very important role in order to achieve the Physical Education learning. As revealed by Herka Maya. J (2005) explains that a teacher who is a professional te-

acher who has high competence in teaching. They can design or designing a learning activity in any condition. Be it a minimal infrastructure, environment that is less conducive, even learners who have a background of affective abilities, cognitive, psychomotor, and different physical. In the use of media of instruction, teachers are required to always creatively exploit it or create the media. (Suherman, 2000) Physical Education learning with utilization of environment in every area. It is adapted to the geographical condition of an environment where learning takes place.

Kebumen Regency has 221 Junior High Schools (SMP) in every district, 24 of which are coastal area schools. The school is located in eight coastal subdistrict, subdistrict covering Ayah, Buayan, Puring, Petanahan, Klirong, Buluspesantren, Ambal, and Mirit.

Researchers have conducted the initial observation in some. There are SMP 1 Ayah, SMP 2 Ayah, SMP Negeri 1 Petanahan, SMP Negeri 1 Ambal and SMP PGRI 1 to find out the condition of the environment around the school. The results of these observations are presented in **Table 1.** below.

Table 1. The Results of the Environment Observation Around the School

School	the Environment Observation Around the School
SMP 1 Ayah	The village access road Rice fields The field village The beach
SMP 2 Ayah	The village access road The hills/karst The field village The beach
SMP PGRI 1 Ambal	The field village Rice fields The Streets of the village
SMP Negeri 1 Ambal	Ambal beach Coir handicrafts places The field village
SMP Negeri 1 Petanahan	Pertanahan beach The field village Sub gymnasium Argo tours

The observation result of early junior high school in the coastal area has no place for craft made extensive Physical Education learning. While the surrounding school environment there is a long beach, coir, handicraft industry and argue tours of plantations. The field village, and

the access road to the school which can take advantage of as a medium or as a place of learning.

Based on the condition, researchers interested in conducting research on the utilization of instructional media or the environment as a place to learn Physical Education junior high school (SMP) in the coastal of Kebumen. Researchers want to find out more about the utilization of the environment in coastal areas as a medium of instruction or as a place to learn.

With respect to the background of the problems that have been expressed can be formulated some problems, the first is the environment anything that functions as a medium of instruction or places of learning by teachers of physical education and sports, health in high school the first coastal of Kebumen?, and the second is how teachers make use of the environment as a medium of instruction in the middle school PJOK district coastline area Kebumen.

The purpose of this research is to know the kind of environment that is utilized as a medium of instruction, or a place to learn from the teacher Physical Education in the coastal County of Kebumen, and to find out how teachers make use of the environment as a medium of instruction in the middle school PJOK district coastline area Kebumen.

METHODS

Research design is the blueprint that determines the execution further. Design research lays out the what, why, and how, the issue was examined by using the methodological principles. (Gulo, 2000) this research is research that is qualitative, because it intends to research and enter information as many of a certain incident. This research intends to find out and find as much information as the number of a particular incident and try to give you an idea of how big the level of creativity of Physical Education teachers in utilizing the environment as a medium Physical Education learning in junior high school, especially in coastal districts Kebumen. This research uses qualitative with data retrieval using interview techniques and observations.

The research subject is the retrieval technique with purposive sampling, namely choosing or selecting on the basis of criteria of terntentu created a number based on the purpose of research (Kriyanto, 2010). In the study of the subject is the teacher of the existing Physical Education in the coastal of Kebumen. The selection of the subject research was chosen based on the place of his junior high school (SMP). Starting from a school

close to the beach, to a school far from the beach but still in the coastal County of Kebumen. The following is a list of schools that will be made the subject of research i.e. SMP Negeri 1 Mirit, SMP Negeri 1 Ambal, SMP Negeri 2 Ambal, SMP PGRI 1 Ambal, SMP Negeri 1 Petanahan, SMP Negeri 1 Ayah dan SMP Negeri 2 Ayah.

Qualitative data analysis starting from the analysis of various data that has been collected either researcher interviews, observation, and documentation. The data is then classified into particular categories-categories. Classification or pengkatagorian considers the validity (kevalidan), with attention to the competence of the subject, the degree of aotentitasnya and do triangulation as a source of data (Kriyanto, 2006).

The data analysis process begins with a gather researchers throughout the whole data information obtained from interviews, observation and documentation. On analysis of data concerning the competence of the teacher Physical Education concerning the utilization environment of coastal areas as a medium of instruction. Researchers classify the data into categories of teacher competence, the competence, the competence of personality pedagogy, professional competence, and social competence. Researchers do a triangulation method, i.e. clarify data obtained with interviews, and documentation with the method of observation. Observations to test the validity of the data is done by observing the teachers learning activity.

This research uses qualitative-descriptive type. This research type is based on the basic question of ' how ' (Gulo, 2000). If the exploratory research conduct exploitation against the symptoms or an event, descriptive studies trying to dig deeper into why the symptoms or an event occurs. Thus the findings of researchers a broader descriptive and exploratory research was more detailed **Table 2.** of results Data retrieval based on standards of Competency learning Curriculum.

RESULTS AND DISCUSSION

Understand And Practice The Concept Of Motion Skill Fundramental The Small Ball Game

On the standard of competence this matter Physical Education teacher that utilizes the environment as a place of learning is the Physical Education teacher in SMP Negeri 1 Petanahan by making use of learning material for Badminton gymnasium. Other matters of Physical Education teacher SMP Negeri 2 Ambal utilizing the existing environment that is coir used to fill small plastic balls in a ball

Table 2. Table of results Data retrieval based on standards of Competency learning Curriculum

Standards Of Competence	Result
Understand and practice the concept of fundamental motion skills great ball game	The purpose of the school taken data research process selecting material dala ball big football games by utilizing the existing village field around the school
understand and practice the concept of fundamental motion skills small ball game	SMP Negeri 2 Ambal choose material ball kasti and softball by modifying the SMP Negeri 1 Petanahan SoftBall choose badminton material by utilizing Petanahan sub-district Gymnasium as a place of learning
Understand and practice the specific motion path, run, jump, and throw in a variety of simple games and or traditional	The materials run by making use of the way around the school i.e. SMP Negeri 1 Ayah, SMP Negeri 1 Ayah, SMP Negeri 1 Mirit, SMP PGRI 1 Ambal. Then SMP Negeri 2 Ambal and SMP Negeri 1 Petanahan using shore athletics for material number run sprint
Understand and practice the concept of exercise increased degrees of physical fitness that relates to the health (durability, strength, body composition, and flexibility) and measurement of results	SMP Negeri 2 Ambal using MFT measurement techniques (Multi Fitness Test) by utilizing media audio loudspeakers and utilising wooden boards used as delimiters between students

or balls kasti softball. In addition, utilizing recycled paper for paper assignments. The paper describes the task instructions and directives to perform a movement.

Understand and practice the specific motion path, run, jump, and throw in a variety of simple games and or traditional

This competency standard material chosen by making use of the surrounding environment is utilizing the shore used a running track. Physical Education Teacher which makes use of the beach as a running track is SMP Negeri 1 Ambal dan SMP Negeri 1 Petanahan. A trip to the beach students and teachers bersepeda with a distance of 2 kilometres. In addition to utilizing the shore as a place of learning, of physical education teachers SMP Negeri 1 Mirit, SMP PGRI 1 Ambal, SMP Negeri 1 Ayah dan SMP Negeri 2 Ayah utilize the access roads around the school environment to be a running track.

How to make use of the environment as a medium of instruction By Physical Education Teacher the ways of Physical Education teacher in the coastal region in utilizing the environment as a medium of instruction are as follows:

1. SMP Negeri 1 Ambal

- 1) Utilizes the field village in ways students are invited towards the field, then following up on the course the students collected and teachers provide a description of the material to be conveyed.
- 2) Ambal beach by way of the teacher walked into the classroom in advance to give you referrals Ambal heading to the beach, then

students and teachers together to use the bike. After arriving at the beach students doing warm-up and teachers assisted by one of the students to make a running track using the cone. Next the teacher gives explanations and specific about the heating of material running 400 m sprint after that, students practice run and has is taken

2. SMP Negeri 2 Aal

- 1) Wastes sabapa used to fill small plastic balls are used for small ball game material namely softball and kasti.
- 2) Former paper wedding invitations and former foolscap paper used for tasks which contains instructions and commands to troubleshoot a movement. Close the bucket of paint that is already perforated made cone and ball container kasti in learning.
- 3) Laptop and speakers used to test the fitness of students by using measurements of the MFT

3. SMP Negeri 1 Mirit

- 1) The school field used to run 400 meters. The length of the circumference of the page throughout the 80 meters. So the students surrounding the school grounds as much as five times a round.
- 2) The field of the village dimanfaatkannya to the big ball game that is football. The location of the field adjacent to the school, so the teacher directly invites students to direct toward spaciousness and directly describes the

material

1000.00.

4. SMP PGRI 1 Ambal

The field village used for ball games big and small ball game. Teacher invites students walking towards the field with distance from the school approximately 1 km. after arriving in the field of teacher ordered students to make the team and son bermain. While students volleyball game melakukan Princess along with the teacher.

5. SMP Negeri 1 Petanahan

- 1) Petanahan Gymnasium Subdistrict use to study Physical Education advance permission to Manager gor subdistrict. A study conducted at gor is a big ball game futsal ball smaller and the game of badminton. Futsal learning material presented is about basic techniques passing and control. While the material is shadow and badminton badminton game.
- 2) Petanahan Beach is used for athletic material as like to run sprints, Javelin throwing and discus throwing. The distance between the school and the beach approximately 2 km, so to get to there students and teachers use the bike.

6. SMP Negeri 1 Ayah

- 1) Village road used the teacher explains material run medium-haul or long distance. After the teacher explains material route and run mempraktikannya with the students begins warming up first. The length of the route to surrounding villages around the school is approximately 300 metres away.
- 2) Ball-tailed paper is used with each student got a job to bring and collect the paper and made into balls.

7. SMP Negeri 2 Ayah

- 1) Village road used to run surround the settlement residents around the school. The first study was conducted with students doing the warming up in the schoolgirl. After that, students do a run in accordance with the number to sort her absence.
- 2) BSC Gombong pool used for swimming material. Learning swimming is carried out twice in one semester. The distance from the school toward the pool about 5 km. So to go to the pool using a public transportation village. The entrance ticket to the swimming pool and transport rent paid each student. To alleviate such teachers create a policy so that each week the student contribution fee of Rp.

Learning Media Types

According to research in the journal Nurseto Tejo describes the kinds of learning media according to the form of the information used, can separate and classify media in five major groups, namely the visual media, visual motion media, media audio, audio visual, media and audio visual media motion. The process used to deliver the message, whether through direct vision, optical projection, projection electronic or telecommunications. By analyzing the media through the form of representation and the way it has, we get a format of classification which includes the seven media group publishers, namely: 1. printed materials, graphics, and still images 2. A silent projection media 3. Media audio, 4. Audio visual media silence, 5. Live Audio visual media/film, 6. Television media, and 7. Multi media (Nuurseto, 2011).

Learning media is any form of stimulus and provided teachers to push students learn fast, precise, easy, correct and not going verbalisme. The learning experience can be obtained through: a) the situation and condition, b) observe objects in the form of replacement props, c) Reading materials moulds such as magazines, newspapers, books and so on. Rowntree (1974) in his Rosdiani (2013) learning media grouped as follows:

- a. Human Media interaction
- b. Media Reality
- c. Pictorial
- d. a written Symbol
- e. sound recording

Based on the data in field results obtained data about the media that is used by teachers of Physical Education in Kebumen Regency, the coastal region in accordance with the theory advanced by Rowntree as follows :

1. Human media interaction

Media type used by all informants in this study. This looks at the time informant 2, 3, 4, 5, 6, and 7 convey verbally introductory material on atletik run. The informant explains techniques run the gamut from start up to run motion, as well as explain the road route around the school or the beach as a running track. Meanwhile, informant 1 in addition to convey introductory material Multi Fitness tests on the physical fitness test material, the informant also inserts material biology of plant respiration is around.

2. Media Reality

Informant 1 and 6 using media reality in a way making multiple groups. Each group presented the game has didiskusikannya, while another group looked at it. While the informant 7 using the media

reality is by example directly to the movement of students passing at football games.

In addition to using the media reality in the form of a human (students or the informant), in another reality media researcher observations used in the form of the path to run and field to play soccer. A running track in the form of the beach used by the informant 3 and 7. 3 using informants Coast Ambal, while informants 7 using Petanahan Beach. The second informant used the beach as a running track due to the close proximity and also the beach surface is flat and is suitable as a running track. Meanwhile the informant 2, 4, 5, and 6 using the roads around the school as a running track. This is because of the contour of the coast berbantuan so it is not suitable as a running track. There is also a school which is quite far from the beach.

3. Media Pictorial

Pictorial media by informant 1 by giving a task to students using the kelompokKartu task cards containing instructions or instructions to make a movement or a game done in a group. Pada kartu yang berwarna merah, masing-masing nomor memiliki petunjuk yang berbeda-beda dan akan digilir untuk semua kelompok (dalam bentuk sirkuit training). Sementara kartu berwarna hijau terdapat lebih dari satu petunjuk yang ada pada setiap kartu.

4. a Written Media

A written media used by all informants, namely in the form of a module that is given to each student.

5. Sound Recording Media

The media recorded voice used by informant 1, namely by giving material of physical fitness with Multi Fitness Test.

Based on expert opinion and the results of the findings, the situation can be conclude that those types of media of instruction consisting of Human media interaction, media reality media, pictorial, and written media, and sound recording media used by Physical Education of Junior High School in the coastal region as a medium of instruction.

The Role, Function And Benefits The Media Learning Physical Education

The role and function of the tools and learning of physical education media are: 1) improve the quality of human resources capable of competing and cooperation in the era of globalization. 2) improve the skills and physical quality to support daily activities. 3) increase self-reliance in following intrakulikuler or extra lessons and learn at home (Rosdiani, 2013). Media teaching can heighten the learning process of the students in the teaching which in turn heightens the learning outcomes expected to be achieved. The benefits of learning me-

dia in the learning process of students include: a) the teaching would be more attracted the attention of students so as to cultivate the motivation to learn. b) teaching materials will more clearly its meaning so that it can be better understood by the students, and allows students to master learning objectives better. c) learning methods will be more varied, not merely verbal communication through the utterance words by teachers, so students don't get bored and not run out of steam, when teachers teach to every hour lesson. d) students will be doing more learning activities, for not only listening to descriptions of teachers but also perform other activities such as observing, perform, demonstrate and others (Nana. S and Ahmad Rifai, 2015).

From the results of the interview, the situation can be drawn the conclusion that the functions and role of the media learning is to assist students in understanding the intent of the material presented by the teacher so that the media can help learning success. In addition the role and function of the media learning is learning and evaluation of materials for the determination of the subject matter of the next learning and media will make students happy, joyful and healthy.

The Utilization Of The Environment As A Medium Of Instruction Or As A Place To Learn

The concept of learning facility modifications as well as the media of instruction sets forth the conditions and environment of the school which can be utilized as a means of teaching and media prasaran, physical education sport and health. Beside that, it also described how to create a simple means of procurement or which may be developed/ manufactured from materials that exist around the environment students (Rosdiani, 2013).

Other opinions according to Regine. A in his journal, entitled "*the influence of Model environmental education Learning-based Pools Towards mastery of the concept of environmental education for prospective primary school teachers,*" explains one of the learning models are expected to increase mastery of the concept of environmental education for prospective teachers are learning outside the classroom (outdoor). Environmental education learning outside the classroom with engaging students to blend with nature and doing various activities of learning that leads to the realization of student behavior to care for the environment through the stage of understanding, awareness, caring, responsibility, and behavior (MOE, 2005). Model-based environmental education learning pool has karekteristik as follows: a) the Learning Activity examines the problems of the environment of the school. b)

Learning using learning facilities that exist outside of the classroom and in the classroom. c) emphasis on the aspect of the attitude of care with cognitive aspects, besides the school environment and performance (Risda Amini and Munandar. A, 2010).

This is in accordance with the findings of researchers in the field of learning that utilizes the environment as a place to learn and as a medium of instruction. Like learning that is delivered by Physical Education Teachers 3 informant SMP Negeri 1 Ambal utilizes Ambal Beach as the place of a running track a distance of 400 m. In addition to utilizing the beach as a place of learning, the teacher invites students to care about the environment of the beach by way of picking up/take the trash around the coastal environments. A similar case is also used by teachers of Physical Education of SMP Negeri 1 Petanahan i.e. informant 7 in an interview explaining that in learning that utilizes the environment as a place to learn he is utilizing Sports districts and Buildings Petanahan Beach. GOR sub utilized for learning ball games big and small ball game i.e. futsal and badminton. While on the beach petanahan utilized for athletic learning i.e. run sprint, long jump throwing discs while the informant 2 informants, 5, and 6 utilize access roads around the school environment as a place of learning within a running track athletics.

Other Learning results in the pass by informant 1 Physical Education teachers in SMP Negeri 1 Ambal almost makes all the learning material Physical Education utilizing the environment as a medium of instruction. diantaranya modification of ball kasti using small plastic ball filled with ground coconut fibers from the rest of the results making a doormat. Next media modification is utilizing a paint bucket lid perforated core for use as a cone, or a container of ball kasti. The next medium that is utilized is the former dimanfaatkan bucket as a hollow vessel in learning athletic number run.

The real findings and theory from some experts on the utilization of the environment as a medium that is by learning how to modify the ball softball with coir, then use a bucket of used to be a hollow vessel, utilizing unused paper to make a paper assignment, and take advantage of close buckets of paint into a cone. In addition, to equip students will be aware of, understand and attention as well as the responsibility for Physical Education teachers of surroundings in the coastal region engage their

students learning to perform around the school environment such as the beach, and access the roads around the school.

CONCLUSION

Based on the results of research on "the utilization of the environment as a medium of learning By teachers of Physical Education of Junior High School in the Coastal County of Kebumen" some conclusions can be drawn as follows:

The type of environment that functions as a medium of instruction or as a place of learning by teachers of Physical Education of Junior High School in the coastal of Kebumen is as follows, first place learning environments that are utilized in the form of the field village, beaches and streets around the school environment. Then the environment that functions as a medium of learning include paper assignment that made of paper invitations that are unused anymore and the ball tailed made from paper, then plastic ball filled with coir, bucket the former made a hollow vessel, cover the bucket of paint and wood Board be used as a means of learning.

How is done by Physical Education teachers in Junior High School in the coastal District in Kebumen utilizes the environment as a learning medium or place of study. The field village in kebumen Regency's coastal area is used for learning the game a large ball and a small ball game. While the beaches and roads around the school environment utilized to study athletics. Learning that utilizes media environment in coastal areas include the assignment, paper made from the rest of the paper used and unused paper invitations, paper task contains instructions or instructions to perform a movement or make a movement or a game. Then there is a small plastic ball filled with grain of coir. This small plastic balls used in games a small ball that is the earliest known softball game kasti and modifications. While the former bucket of paint that made a hollow vessel. Bucket or a hollow vessel is used on athletic material i.e. number run short distances (sprint). So this water filled vessels then students ran while carrying a bucket of water until the finish line. In addition, the lid of the paint bucket and wood boards are used as a means of supporting the learning process.

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