

# Cintami

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## DEVELOPMENT OF MANIPULATIVE MOVEMENT LEARNING THROUGH ELEMENTARY SCHOOL LEVEL PLAY APPROACH

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### Abstract

*In this research, the development of basic manipulative motion learning will be carried out through a game approach designed using learning principles starting from movement with easy elements to the most difficult. The development of manipulative basic motion learning will be developed with 4 manipulative basic motion models using simple tools that are easily available with a level of security that suits the characteristics of elementary school children. Basic manipulative motion learning will be developed through a play approach expected to provide a good stimulus for children's development in order to master motion well with fun learning. The development of basic manipulative motion learning through a play approach will be outlined in the form of a monograph book of research results as a source of learning and reference for schools. This development product will be tested by adopting the development and research of borg and gall with 4 stages only according to research needs. The objectives of the study are 1) Developing manipulative basic motion learning through an approach to playing at the elementary school level. It is hoped that this development can be implemented at the education unit level and can even be used in society in general to learn basic manipulative movements more enjoyably.*

**Keywords:** Learning; Manipulative Movement; Play

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### INTRODUCTION

Education and utilized to create healthy study habits (Lanos et al., 2021). Physical education, sports and health taught in schools have a very important role, namely providing opportunities for students to be directly involved in various learning experiences through selected and systematically selected sports and health physical activities (Putra et al., 2020). The provision of learning experiences is directed to foster better physical growth and psychological development, as well as form a healthy and fit lifestyle throughout life (Pertiwi et

al., 2018). The school provides a series of materials to educate a student to adulthood including his development. However, the responsibility of educators is not solely the responsibility of schools. The key to good education is attentive parental involvement if parents are directly involved in the education of children at school. Good education must be able to meet the needs of a good learning process, which is centered on students. Students must be active and feel comfortable when following learning designed by the teacher. So that students are able to bring out their creativity in learning.

Basic motion learning can be interpreted as the process of learning movement skills and finening motor skills, as well as variables that support or inhibit motor skills and skills (Decaprio, 2013). Basic movement is a basic skill that aims to develop various basic sports technique skills involving limbs (Wiaro, 2015). Basic movements are the basis for learning and developing more complex sports technique skills, so that basic movements indirectly play a role in improving physical fitness and sports achievement (Pratama & Nurrochmah, 2022). This statement is in line with research results that show that motor skills contribute to the physical freshness of elementary school students (Sepriadi, 2017). Movement development in childhood is very prominent, especially in locomotor, nonlocomotor and manipulative movement abilities (Lanos et.al., 2023). Basic movement skills are the basis for more advanced skills and consist of object control, locomotion, and balance skills (Suyantini et al., 2013).

The importance of basic manipulative movement skills because the movement must combine coordination of body movements through tools (Hendra & Putra, 2019). Basic movement skills should be taught intensively to students starting from the elementary school level through play thereby paying attention to children and increasing the development of manipulative movements of elementary school students (Rahmah et al., 2019). Play will satisfy the demands of motor, cognitive, language, social, values and life attitudes (Nasution & Suharjana, 2015). But the reality that is happening at this time is that the mastery

of basic manipulative movement skills carried out by elementary school students is not optimal due to lack of mastery of motion during learning, not only that even students feel that the learning carried out tends not to vary which causes a lack of enthusiasm for learning in students so that the results of learning manipulative movements are low.

This condition reflects the gap between the low basic movement skills possessed by students and learning outcomes, whereas on the other hand it is clear that these basic movement skills have a very important and irreplaceable role in the quality of a person in performing a sports skill. Based on this gap, researchers will develop basic manipulative motion learning that will be adjusted to the characteristics of elementary school children. To develop learning, the need for an appropriate approach, in this study researchers will develop learning with a play approach which is expected to provide active, innovative and fun learning innovations in conducting manipulative basic motion learning.

## METHOD

This research is development research that will produce a product. The stages of this research process are referred to as stages consisting of a research finding that is closely related to the product developed, and the product developed will be tested and revised to correct deficiencies found in the testing phase.

This research is used to design the development of the basic motion book of white eagle college moves in Muratara district will use the Borg and Gall research approach. In this study, researchers refer to the Research and Development (R&D) development model of Borg and Gall, educational development research is a process used to develop and validate products. In this study, researchers only adopted 4 stages of development research from borg and gall based on the needs of researchers, namely: 1. Research And Information Collecting. 2. Planning. 3. Develop Preliminary Form a Product. 4. Preliminary Field Testing. The results of development research are not only the development of an existing product but also

to find knowledge or answers to practical problems. This research is directed at developing appropriate products for elementary school students. The borg and gall model was chosen as a development method with the suitability of the nature of the research to be carried out.

Data analysis is an activity after data from all respondents or other data sources are collected. Activities in data analysis are grouping data based on variables and types of respondents, tabulating data based on the variables studied, doing calculations to answer problem formulations (Sugiyono, 2016). Data analysis in this study consists of validity, practicality, and effectiveness analysis.

### Validation

The stage of validation by experts on the design of learning media development on pencak silat material and the results of answers or responses to questionnaires about the quality of the books developed. Such validity is analyzed using the formula:

$$P = \frac{\text{Skor Perolehan}}{\text{Skor Maksimum}} \times 100 \text{ (Purwanto, 2012)}$$

The validity of book development on pencak silat material is further interpreted in the following table:

**Table 1.** Interpretation of Validity

Value Interval	Category
86-100	Very Good
76-85	Good
60-75	Keep
55-59	Less
<54	Less Than Occasionally

Modification : (Purwanto, 2012)

### Practicality

Practicality is the ease and pleasure in the use of a particular object or objects. Analysis of the practicality of developing a manipulative basic motion learning model based on response questionnaire answer scores was analyzed using a formula (Purwanto, 2012):

## RESULT AND DISCUSSION

This research began by carrying out a needs analysis conducted by distributing questionnaires in the basic school of Palembang. Overall, there are two general objectives that will be revealed in the preliminary study or needs analysis, namely the development of manipulative basic motion learning aimed at learning in a more enjoyable way so that it can improve student learning outcomes, especially Physical Education learning. Based on the results of the distribution of the questionnaire above, it can be concluded that there is a need for novelty in learning basic manipulative movements.

After conducting research and collecting information, researchers made a plan according to the purpose of this study, which is to develop basic manipulative motion learning through play. This research involves related parties such as experts in the field of Physical Education learning, material experts, and media experts. In addition, a support team is also needed in the team.

The next stage is planning, which is planning development which will begin with the development of the initial research design or what is called the initial draft of research. In this study, the initial draft on development was to develop 5 models developed under the names: (1) Lartung, (2) Larmut, (3) Larbol, (4) Larcone, (5) Larhop. The development of this learning model begins with making a model design then analyzing and determining the learning model based on learning principles, student characteristics and preliminary studies. This learning model is described in the form of a script (book) making it easier for teachers or students to carry out learning.

Theoretical feasibility test by filling out questionnaires by experts who have been given the developed product. Experts consist of 3 experts, namely learning experts, materials and media. Each expert gets a product and validation instrument to provide assessment and input on the developed model. The following are the results of theoretical feasibility by experts.

**Table 2.** expert judgement

No. Model Name expert judgement



	Expert 1	Expert 2	Expert 3
1. Lartung	Not Worth It	Not Worth It	Not Worth It
2. Larmut	Proper	Not Worth It	Not Worth It
3. Larbol	Not Worth It	Not Worth It	Proper
4. Larcone	Proper	Proper	Proper
5. Larhop	Proper	Proper	Proper

Based on the results of expert validation, it is stated that there are two learning models that are declared feasible, namely number four and number five with the names of the larcone and larhop models, with the model illustration model as follows;

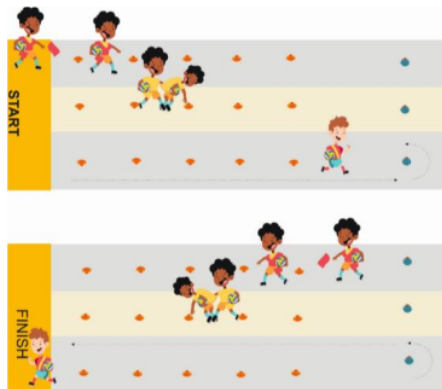


Figure 1. Larcone Learning

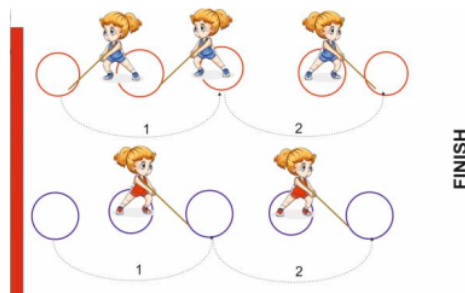


Figure 2. Larhop Learning

The development of larcone learning or running cones and larhop or running moving huahop is one of the *novelties* in the development of this research. Where in this development displays simple movements and in accordance with the characteristics of manipulative motion using tools. This is

corroborated (Hendra & Putra, 2019) which states that manipulative motion is the motion of playing certain objects or tools, for example; balls, rackets or wooden clubs. This learning development is also carried out with a play approach where students are more active and motivated in learning. This is reinforced by (Agustini et al., 2016) through play activities, it is very appropriate to develop children's basic movement skills in elementary school because basically the world of children is the world of play

## CONCLUSION

The development of basic manipulative motion learning that has been researched by researchers and has been carried out theoretical feasibility tests and validation, then 2 (two) learning models have been declared feasible by experts and can be used. The learning model can then be packaged in the form of a script.

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