

THE DEVELOPMENT OF TABLE TENNIS LEARNING MODEL FOR IMPROVING THEORY AND PRACTICE BASED ON SCIENTIFIC CHARACTER

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Abstrak

This research aimed to obtain information about the initial ability of high school students include affective, cognitive, and psychomotor. The design in this research using research and development model approach. The subjects used in this study are all students of first grade in Senior High School Bina Warga 1 and Senior High School Bina Warga 2 Palembang totaling 30 people. The research method is a development study that refers to the development model of Borg & Gall, then the instruments used to collect at the stage: (1) needs analysis, (2) expert evaluation (initial product evaluation), (3) small group trial and (4) large group trials. The result of this research has fulfilled the aspect of validity, effectiveness, practicality with good score 76,8%, valuation rubric aspect 80, 22% good category, for pulse using SPSS 17 p value 0.000 <0.005 equal to -85,165% there is difference of pulse rate. Based on the results of the research and the results of the model effectiveness test above, it is expected for the Physical Education teacher in Senior High School to using this product to improve the mastery of theory and practice based on scientifically characterized and empirically proven that the results of these products increase the mastery of theory and practice based on scientific character in high school is good.

Keywords: Development, Table Tennis, Scientific Character

PRELIMINARY

Organizing Education Physical , Sports , and Health is an integral part of system education on Overall capable develop child / individual on intact that includes aspects physical intellectual (ability intepretative), emotional moral and spiritual in process learning give priority activity physical and habituation life healthy . By because that implementation education physical must directed on pecapaian aim the .

Role education Sports physical and health very much important thing that gives chance to human for involved directly in various experience learn through activity body , play , and exercise performed on systematic , then directed for nurture at once forming style life healthy and active . Wrong the room with p roses teaching education physical emphasize on activity students and make use of physical as tool for reach aim education .

Education physical and Sports aim use develop aspect fitness body , skill motion , skill thinking critical , skill social , reasoning , stability emotional , moral action , aspect pattern life healthy and introduction environment clean through activity body , sports and health Selected planned on systematic in order mancapai aim education national level .

Sports tenis table is a simple game, the action taken in Sports this is with consistent hitting , directing and put the ball into table opponent so to on one when the ball is no could returned again by opponent , no there is another secret to can be success except with build spirit for advanced and always practice (Agus Salim , 2008: 14).

Partly big students I rang like Sports Tennis Table Where on moment theory students not yet so understand about form movement in Tennis Table good from position

prefix , attitude hit and types blow in Tennis Table and so too on moment practice in the field form Sports Tennis Table less there is other variations . So that students fast bored in follow learning Sports Tennis Table if compared with learning branch Sports game , that means before time as it were learning students already no feel excited again .

According to Hartati (2016: 236) goal Sports in level school medium on adolescence consists of early adolescence between the ages of 10-14 years, middle adolescence between the age of 14-17 years and the late adolescence between the ages of 17-19 years.. Combine various aspect self (social , emotional physical , and cleverness) to in action as responsibility answer , desire for win , play sportsmanship and dicipline .

Based on problems that have been elaborated in top , researchers has conclude that need developed development of learning model tennis table for improve mastery theory and practice based scientific character on where high school students could made solutions for make it easy students in learn motion tennis table on effective , valid, and practical .

REVIEWS LIBRARY

Learning Model

According to Rahman & Amri (2014: 88) Development of learning generally depart and theories learn . This artimya No learning model based theory learn behavioristic , cognitivstic , and constructivist . Character theory is descriptive , temporary theory learning is prescriptive .

Leondra (In Syarifudin , 2002: 180) Development of learning model is wrong one form from application approach system in activities learning that notabene is something process systematic that produces something system learning ready for used with right . Learning model is circuit components among others as the following : (1) Phasing and order idea content material , (2) use example , (3) usage practice , and (4) use Different strategies.

Characteristic Scientific

According to Abdula Sani (2015: 50-51) Characteristics scientific related with observation or observations that can seen from participants educate , approach scientific tightly relation with method scientific that is activities observation and observation required for formulate hypothesis or collect data.

Tennis Table

Tennis table is a simple game. actions taken in Sports this is with consistent hitting, directing and put the ball into table opponent so to on one when the ball is no could returned again by opponent there is another secret to can be success except with build spirit for advanced and always practice (Agus Salim: 2008: 14).

Research Relevant

Some results the research is still have connection with research variables this in among others as the following :

Sufairoh do related research with approach scientific and the learning model being implemented in SMP Negeri 1 Malang where aim and writing this is (1) For explain issues important thing to be basic consideration held curriculum 2013. (2) For explained implementation learning with approach scientific on curriculum 2013. (3) for outlines the teaching models used by teachers in implementation curriculum 2013.

Stevanus William Ardi do research about development of tennis models table floor for Siwa class VI SD Puri 01 Kabupaten Pati , Regency Starch 2013. By results data analysis is obtained conclusion that through application learning tennis table on the floor could improve results learning tennis table .

Danang Dwi Purwanto do related research with development of learning model technique basic tennis table for elementary classes top .

Hartati do related research with development of learning model characteristic scientific for improve mastery theory and practice science nutrition II, research this applied on college student S1 majoring in education physical and health Sriwijaya University .

METEDODOLOGY RESEARCH

Subject research this is high school students of class X SMA Bina Warga 1 and SMA Bina Warga 2 Palembang. Method research this use model Research Research & Development (R & D).

Technique data analysis Research this use some way for analyze data that is observation , interview , and questionnaire .

RESULTS AND DISCUSSION

Research this successful develop a product learning in the form of learning models form valid, effective , and valid learning practical so could help students and teachers make it easier process learning tennis table in School Medium Top (high school).

CONCLUSION

Based on the data obtained from results trials group small and trials group big and discussion results research could concluded that :

With development of learning model tennis table for improving the mastery of scientific-based theory and practice of character in high school students can improve the ability to learn effectively and efficiently.

Through the development of learning models tennis table for enhancing the mastery of scientific-based theories and practices characterized in these high school students, can help physical education teachers, sports and health be able to teach basic multilateral movements.

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