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THE DEVELOPMENT OF FUTSAL LEARNING MODEL ASSURE-BASED DESIGN ON STUDENTS OF POK FKIP UNS

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Abstract:

The research purposes were to investigate the ASSURE learning model, to test the development product, and to determine the effectiveness of ASSURE learning model on improving futsal basic skills and techniques. This research employed development research methods. The first stage was dedicated to needs analysis and used interviews method to determine the futsal learning technique problems. The second stage was dedicated to the making of products. Further evaluation products by academics and practitioners futsal, the average value is 72.38% was shown the design products can be tried out in the next stage: product testing, on a small group as many as 12 students and a large group as many as 54 students by using the questionnaire instrument. Test results for the small group were 83.19% and for large group were 84.5%. The third stage was called the effectiveness test of the product by comparing two treatment group used a pretest-posttest design. Differential value of ball feeling test in the experimental group is 54.098%, and control group is 46.269%. Differential value of dribbling test in the experimental group is 31.858%, and control group is 29.032%. Differential value of passing test in the experimental group is 98.324%, and control group is 95%. Differential value of shooting test in the experimental group is 73.810%, and control group is 68.724%. So it can be concluded that the product is effective to improve mastery of basic skills and techniques of futsal on POK FKIP UNS students.

Keywords: futsal learning model, ASSURE based design, students

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1. Introduction

The learning process of futsal courses at POK FKIP UNS, is not yet optimal in performing teaching functions for students. The dominant futsal learning approach carried out by drill approach. Lecturers did not yet optimal apply learning model based on scientific approach. The patterns and models of futsal learning need to make students have a more active role. ASSURE-based futsal learning is an alternative learning model that can be done to maximize the role of students in the learning process. Structured module development in according to the ASSURE model with Communicative Language Teaching (CLT) as a base in designing activity module ^[1]. The learning system design model was developed to create an effective and efficient learning activity. The steps of ASSURE design learning model through several stages such as: (1) analyze the leaners' characteristic, (2) state objective, (3) select method, media and learning materials, (4) utilize materials, (5) require learner participation, and (6) evaluation and revise. Learning futsal based ASSURE design is a futsal learning model with new conception designed in accordance with need and development for students.

2. Methods

The research method was used development research approach or Research and Development (R & D). Research and development data make natural selection empirically on efforts to innovative, R & D represent only one of several inputs into process innovation ^[2].





3. Results and Discussion

Table 1: Overview results											
No	Compo	nent	Invention								
1	Introduction Stage Interview with futsal coach at POK FKIP UNS on basic futsal technique mastery of POK FKIP UNS students (n=2) with 4 points questions.		Mastery of futsal technique is not good, at POK FKIP UNS there has not been learning program specifically to teach futsal technique.								
2	Develo	pmental Stage									
		The evaluation results of futsal experts (n=3) with the instrument number of 20 ball feeling questions, 15 dribbling questions, 20 passing questions, 20 shooting questions.	 a. The evaluation results of third futsal experts were obtained the percentage of 72.38 %, so that learning model can tried out. b. Input from the futsal experts, learning model design still required being added pictures products that are clearer and learning program design must be adjusted with the theory of learning and techniques of futsal game. 								
		Small group testing of (n=12) with the instrument number of 60 questions.	The testing result of small group was obtained the percentage of 83.19 %, so that learning model can be continued to large group testing stage.								
		Large group testing (n=54) with the instrument number of 60 questions.	From the large group testing result was obtained the percentage of 84.5 %, so that learning model can be continued to stage of product effectiveness test.								
3	Product	ts effectiveness test									
	Differer	nt value	 The different value on pretest and posttest value of products effectiveness testing: 1. Experimental group (n=6) a. Ball feeling technique 68.4% b. Dribbling technique 77.5% c. Passing technique 50.4% d. Shooting technique 59.3% 2. Control group (n=6) 								
			a. Ball feeling technique 64.2%b. Dribbling technique 75.8%c. Passing technique 47.1%d. Shooting technique 57.5%								

Based on the table 1, at the introduction stage was conducted the needs analysis by interviews. The needs analysis is very important because can be find problem to solved.

Need analysis is collection of early information against difference conditions in the field and conditions intended, for problem solving ^[3]. Interview result is futsal technique not yet well in POK FKIP UNS and didn't special learning programs about the futsal technique.

Development stage was a conducted evaluation of futsal expert. Futsal expert result obtained was a percentage of 72.38%, so that learning model can tried out with expert's recommendation.

The academic advice including of (1) a kind of learning it should be noted that the learning purpose is not ambiguous; (2) the implementation procedures of futsal techniques learning with a ASSURE model more clarified; (3) the preparation of learning model need to adapt to the facilities and infrastructure in the field. Advice from the futsal practitioner including of (1) learning model made from the easy stage and increased to the difficult stage; (2) learning physical made leading to learning technique; (3) learning must be adjusted to the learning condition. Beside the experts evaluation at the development stage, also conducted product testing on small and large group.

Try out stage is the stage dedicated to know students' opinion related to the product of ASSURE learning model development. Information in the form of students' opinion obtained using questionnaires instruments with 60 questions. Small group testing was used sample of 12 students and large group used 54 students. The testing results are 83.19 % in small groups and 84.5 % in large group. This means that the product of learning model development acceptable for POK FKIP UNS students and ready done their effectiveness testing. Effectiveness testing stage objectives was determined the level of product effectiveness for formulated be a final product result, and further usage in the learning. Experimental design was used pretest and posttest design.

The experimental design was used one treatment (pretest-posttest control group design), conducted by means of the two groups given pretest to measure the initial conditions, then in the experiment given treatment, while in the control group will not give treatment. Based on a comparison of these percentages, an increase in test results of the sample group shown that the sample group was more effective than the control group.

	Testing	Test result									
Group		Pre-test	Post-test	Different value	Tcount	Ttable	Conclusions				
Experiment group	Ball feeling	69	98	29	12.7583	2,571	Significance				
	Dribbling	124	160	36	12,9455	2,571	Significance				
	Passing	180	355	175	13,3243	2,571	Significance				
	Shooting	245	410	165	12,9437	2,571	Significance				
Control group	Ball feeling	61	94	33	12,8778	2,571	Significance				
	Dribbling	113	149	36	12,4708	2,571	Significance				
	Passing	160	340	180	13,2939	2,571	Significance				
	Shooting	210	365	155	13,2993	2,571	Significance				

Table 2: Data of Pre-test and Post-test result

Table 2 was explained the significance test of product of ASSURE learning model development. Based on the table 2, for every group is t_{count} larger than t_{table} , so can be concluded that data significance.

4. Conclusions

Based on research result and data analysis, research conclusions was that the product of ASSURE learning model development can be used as an alternative learning model to maximize the role of students in the mastery of futsal basic skills.

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