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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 <sup>[1]</sup>. 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 <sup>[2]</sup>.





## 3. Results and Discussion

	Table 1: Overview results									
No	Component	Invention								
1	Introduction Stage									
	Interview with futsal coach at POK FKIP	Mastery of futsal technique is not good, at POK FKIP								
	UNS on basic futsal technique mastery of	UNS there has not been learning program specifically								
	POK FKIP UNS students (n=2) with 4	to teach futsal technique.								
	points questions.									
2	Developmental Stage									
	a. The evaluation results of futsal	a. The evaluation results of third futsal experts								
	experts (n=3) with the instrument	were obtained the percentage of 72.38 %, so								
	number of 20 ball feeling	that learning model can tried out.								
	questions, 15 dribbling questions,	b. Input from the futsal experts, learning model								
	20 passing questions, 20 shooting	design still required being added pictures								
	auestions.	products that are clearer and learning program								
	1	design must be adjusted with the theory of								
		learning and techniques of futsal game.								
	h Small group testing of (n=12)	The testing result of small group was obtained the								
	with the instrument number of 60	percentage of 83.19 % so that learning model can be								
	questions	continued to large group testing stage								
	c Large group testing $(n-54)$ with	From the large group testing result was obtained the								
	the instrument number of 60	percentage of 84.5 % so that learning model can be								
	questions	continued to stage of product effectiveness test								
	questions.	commuce to stage of product effectiveness test.								
3	Products effectiveness test									
	Different value	The different value on pretest and posttest value of								
		ne ducto offactivances testing								
		1 Experimental group $(n-6)$								
		2. Ball facing technique 68.4%								
		a. Dan reening technique 00.4 %								
		b. Dribbling technique 77.5%								
		c. Passing technique 50.4%								
		a. 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%								

Table 1: Overview results
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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 <sup>[3]</sup>. 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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