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COMPARING ROLE PLAYING MODEL AND GROUP GUIDANCE TO IMPROVE STUDENTS' ENTREPRENEURSHIP SKILLS

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Abstract: This study compares the effectiveness of learning model use role playing and group guidance in improving entrepreneurial skills. This study applied true experimental design with posttest-only control design model and pretest-posttest control group design. The study was conducted on undergraduate students in FPISIKIP PGRI Jember as an experimental class with undergraduate students of economic pedagogy in FKIP University Jember as a control class. The finding showed that the role-playing games learning are more effective model instead of group counseling-based learning to improve students' entrepreneurial skills and spirits. For this findings, it is suggested to the lecturer of this course to not only provides theoretical basis but also required to portray the entrepreneurial spirit.

Keywords: Role Playing, group guidance, Skills Entrepreneurship

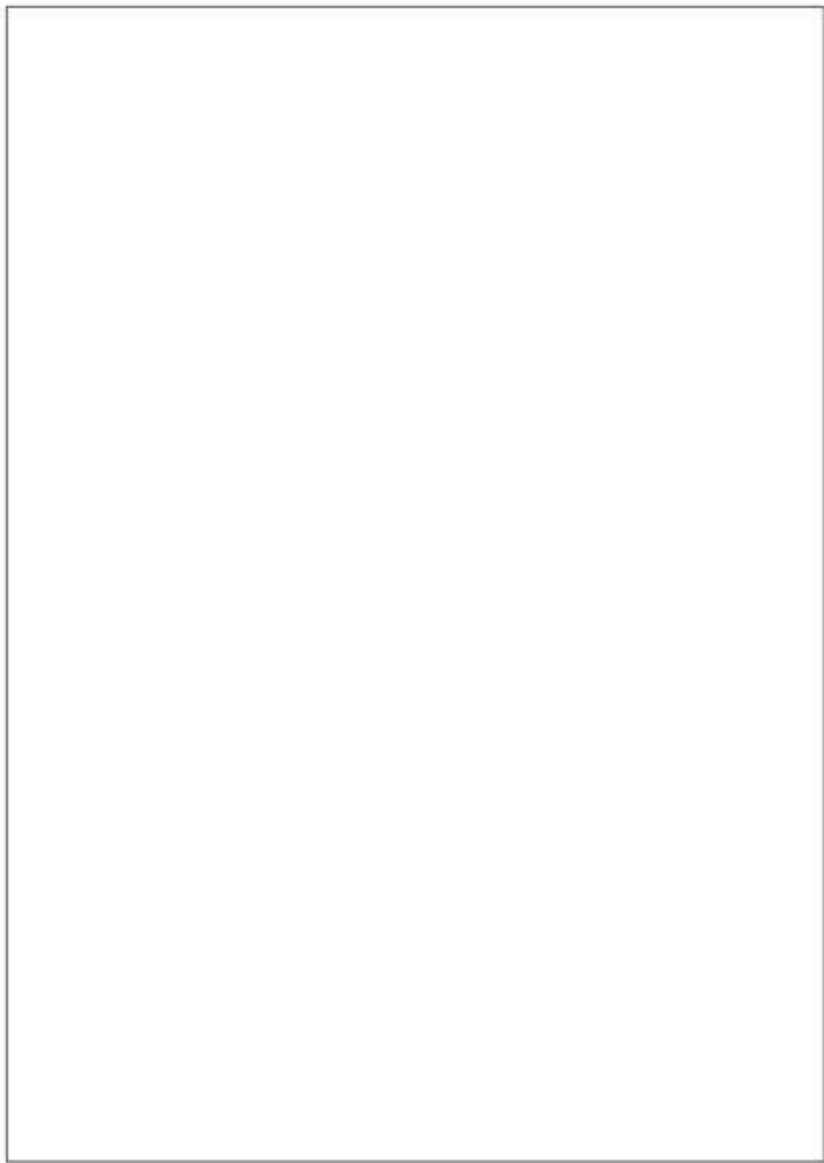
Skills are a must-have capability for everyone, using common sense, mind, idea, and creativity in working, transforming or creating things more useful in order to make the value as the results of the work. Suprpto (2009) argued that skill is an ability to translate knowledge into practice so that the targeted work is achieved. Usman (2009) found that skill is the character, knowledge and personal ability of a person who is relevant in carrying out his duties effectively. The definition illustrates that skills are the character, knowledge, and ability that a person has to be effective and his work. Chang and Rieple (2013), (Dini et al., 2016) suggested that there are four dimensions of entrepreneurial skills, namely Technical Skills, Management Skills, Entrepreneurship Skills, and Personal maturity skills. Fitriati and Hermati (2010), (Christina et al., 2015) stated that the process of entrepreneurship includes behaviors, skills, and attributes belonging to a person in entrepreneurial education. Entrepreneurship processes include the behaviors, skills, and attributes that a person has in entrepreneurship education. In order to develop entrepreneurial behavior (Cal et al., 2018), it takes a process that includes identifying the traits associated with entrepreneurship. Both in the form of skills and attributes inherent in entrepreneurship.

This will be applied to the undergraduate students of Economics Pedagogy in IKIP PGRI Jember to access the entrepreneurship course to be able to explore their knowledge while following the entrepreneurial learning practically to hone and improve their entrepreneurial skills, e.g. they can be an entrepreneur as they graduate. Based on the results of initial observation conducted by researchers, so far the learning process activities in entrepreneurship courses are still more

dominated by the transfer of knowledge between lecturers and students, so the learning achievements are not optimal and students' output that relates to entrepreneurial skills after taking the course is still low, because students after taking entrepreneurship courses are only able to remember and understand the theory learned. Another reason why these entrepreneurial learning objectives need several improvements, it is because in accordance with the purpose of the KKN curriculum on entrepreneurship courses in higher education, explains that in entrepreneurial learning practices, students required to be able to hone his skills skills in the role of becoming an entrepreneur, the explanation is also supported by Presidential Regulation No. 6 of 2009, about entrepreneurial learning states that, one tangible manifestation of fostering educational methods that are creative, innovative, sportsmanlike, and entrepreneurial as a description of the development of creative economy through the implementation of entrepreneurial pedagogy. To support the success of these objectives, as well as overcome the problem with the lack of student entrepreneurship skills, then one of them is through the utilization of an effective learning model according to entrepreneurship learning objectives in colleges (Cosenz and Noto, 2018).

One learning model that can be used in giving entrepreneurship material is the role playing learning model, because in its application students are required to develop their imagination skills and internalize each role performed by the students according to the lesson material (Jones and Pitelis, 2015). The use of role-playing learning models aims to help develop imagination and understanding as well as improve skills by simply playing roles. The role-play starts from the actors and figures according to the material and the problem (Dyson et al., 2016). Thus, students will be interested, happy, and excited because they can learn while playing. In addition, Santoso (2011) said that the role-playing learning model is a way of mastering the materials through the development of students' imagination and the understanding in which there are rules, objectives, and pleasure elements in the teaching and learning process.

It is also shown through the results of the Astuti's (2013) research related to the effectiveness of role-playing methods to improve the communication skills for children, showing the results that the role-playing model was more effective to improve communication skills for children. Students given the treatment of role-playing methods had a higher communication skills score compared to children who were not given a role-playing learning model. Next, Siska's (2011) research entitled The implementation of role-playing methods in improving social skills and speaking skills of early childhood. The results of this study indicate that there were improvements in second cycle and third cycle to social skills and speaking skills of early childhood through the application of role-playing methods. According to Bender's (2005) research entitled Role-playing in online education: A teaching tool to enhance student engagement and sustained learning, the aim of the study provides an opportunity for students to create and participate in role-playing scenarios, instructors can acquire a better knowledge of each student, and students can benefit through improved interactions with the material and one another. The



result of the research that role-playing learning as an online learning tool can increase student engagement and sustainable learning.

Based on previous problems and research stated, the focus of this study is to use role-playing models to improve student entrepreneurship skills in entrepreneurial learning. Meanwhile, the purpose of this study is to find out first, the effectiveness of the use of role-playing learning models to improve students' entrepreneurial skills. Second, to test the effectiveness of the role playing learning model with the group guidance model in entrepreneurial learning outcomes.

METHOD

This study used True Experimental Design with Posttest-Only Control Design model and Pretest-Posttest Control Group Design. The study was conducted on undergraduate students of economic pedagogy in FPIPS IKIP PGRI Jember as an experimental class with undergraduate students of economic pedagogy in FKIP University Jember as a control class. The samples used for the experiment as well as the control group were taken randomly from a specific population. The research model is as shown in Table 1.

Table 1 Post-Test-Posttest Control Group Design Model on Entrepreneurial Learning Outcomes Variables

| Class | Pre-test | Treatment | Post-test |
|-----------------|----------------|---|----------------|
| KE (PE IKIP) | O ₁ | Implementation by using role-playing learning model | O ₂ |
| KK (PE UNEJ) | O ₃ | Implementation without using role-playing learning model-group guidance | O ₄ |

Source: Anikunto (2006)

Description:

KE : Experimental Class (PE IKIP)

KK : Experimental Class (PE UNEJ)

O₁ : Early class ability

Experiment

O₂ : Early class ability

Experiment

O₃ : Initial control class capabilities

O₄ : Final control class capabilities

To determine the difference result from experimental research, questionnaire and test were used. The questionnaire uses the Semantic Differential Technique. To interpret the entrepreneurial skills data from the results of the study, the obtained score data is converted into a five-category score using the score conversion guidelines as follows:

Table 2 Guidelines for Entrepreneurial Skills Scoring Conversion

| Score | Conversion Formulas | Category |
|-------|--|-----------|
| 5 | $X \geq IM + 1.8 (ISD)$ | Very good |
| 4 | $IM + 0.6 (ISD) < X < IM + 1.8 (ISD)$ | High |
| 3 | $IM - 0.6 (ISD) \leq X < IM + 0.6 (ISD)$ | Average |
| 2 | $IM - 1.8 (ISD) \leq X < IM - 0.6 (ISD)$ | Low |
| 1 | $X < IM - 1.8 (ISD)$ | Very low |

Source: Azwar (2003)

Description:

X = total scores

ISD = Ideal standard deviation

= $1/5$ (Ideal maximum score – ideal minimum score)

IM = Ideal Mean

= $1/2$ (Ideal maximum score – ideal minimum score)

While interpreting the entrepreneurial learning outcome data from the research results, the score data obtained was converted into five categories using the score categorization guidelines as follows:

Table 3. Guidelines for Entrepreneurship Learning Outcomes score Category

| Value Range | Category |
|-------------|----------|
| 80-100 | Very |
| 61-80 | High |
| 41-60 | Average |
| 21-40 | Low |
| 0-20 | Very low |

Source: Ridwan (2007)

Before data analysis, a classical assumption test was conducted, then the hypothesized test was used Independent Samples T-Test by SPSS version 20 for Windows. Research hypotheses are:

1. Role-playing learning is more effective than group guidance-based learning to improve students' entrepreneurial skills.
2. Role-playing learning is more effective than group guidance-based learning in entrepreneurial learning.

RESULTS & DISCUSSION

Results

Descriptive Entrepreneurial Skills Assessment Experiment Class (Y1)

The following are respondents' assessments based on each indicator of entrepreneurial skills in the experimental class.

Table 4 Descriptive Analysis of Entrepreneurial Skills for Experimental Class

| Statistics | Entrepreneurial Skills |
|-------------------|------------------------|
| Total respondents | 35 |

| | |
|--------------------|--------|
| Mean | 121.57 |
| Variance | 48.723 |
| Highest Value | 137 |
| Lowest Value | 106 |
| Standard Deviation | 6.980 |

According to table 4, the results of descriptive analysis of the respondent's assessment data on entrepreneurial skills in the experimental class, it can be seen that for the entire indicator items of entrepreneurial skills variable has an average answer value of 121.57, which means very high. Following the results, it can be concluded that the entrepreneurial skills of experimental classes have been improved than before.

Descriptive Assessment of Entrepreneurial Skills in Control Class (Y1)

The respondents' assessment based on each variable indicator of entrepreneurial skills in the control class is presented in table 5.

Table 5. Descriptive Analysis of Entrepreneurial Skills for Control Class

| Statistics | Entrepreneurial Skills |
|--------------------|------------------------|
| Total respondents | 35 |
| Mean | 116.09 |
| Variance | 41.375 |
| Highest Value | 134 |
| Lowest Value | 104 |
| Standard Deviation | 6.432 |

According to table 5, the results of entrepreneurial skills in control class are shown, it can be seen that for the entire indicator items of entrepreneurial skills variable has an average answer value of 116.09, which means high. Following with these results, it can be concluded that the entrepreneurial skills of the control classes have improved than before.

Descriptive Entrepreneurial Skills Experimental Class and Control Class

Comparative assessment of respondents based on each indicator of entrepreneurial skills variable in the experimental class and the control class is presented in Figure 1.

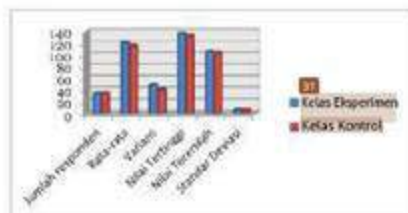


Figure 1 Results of the Recapitulation of Entrepreneurship Skills Data for the Experimental Class and the Control Class

Based on Figure 1, from the descriptive analysis of respondent's assessment data to the entrepreneurial skills, it can be noted that for the entire indicator items of entrepreneurial skills variable has an average answer value of 121.57 and 116.09, which mean the average value of the experiment class answers is higher than the control class.

Descriptive Experimental Class Learning Outcomes (Y2)

The respondents' assessment of student learning outcomes in the experimental class is presented in the table 6.

Table 6 Descriptive Analysis of Experimental Class Learning Outcomes

| Statistics | Learning Outcomes |
|--------------------|-------------------|
| Total respondents | 35 |
| Mean | 84.31 |
| Variance | 16.239 |
| Highest Value | 95 |
| Lowest Value | 80 |
| Standard Deviation | 4.042 |

According to table 6, the results of descriptive analysis of the respondent's assessment data on entrepreneurial skills in the experimental class, it can be noted that it has an average answer value of 84.31, which means very high. Based on these results, it can be concluded that student learning outcomes from entrepreneurial learning in the experimental class have improved from before.

Descriptive Control Class Learning Outcomes (Y2)

The following is respondent's evaluation of student learning outcomes in the control class.

Table 7 Descriptive Analysis of Control Class Learning Outcomes

| Statistics | Learning outcomes |
|--------------------|-------------------|
| Total respondents | 35 |
| Mean | 79.74 |
| Variance | 14.844 |
| Highest Value | 95 |
| Lowest Value | 75 |
| Standard Deviation | 3.853 |

Source: Authors (2018).

According to table 7, the results of a descriptive analysis of the respondent's assessment data on the learning outcomes of control class students can be noted that it has an average answer value of 79.74, which means high. Based on these results, it can be concluded that student learning outcomes from entrepreneurial learning in the control class have improved from before.

Recapitulation Results of Descriptive Analysis of Learning Outcomes of Experimental Classes with Control Classes

Comparison assessment of respondents based on each indicator of learning outcome variable in the experimental class and the control class is presented in the table below:

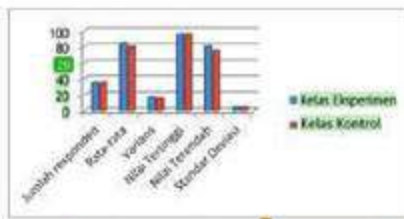


Figure 2 Recapitulation Results of Experimental Class Learning Outcomes Data with Control Classes

Based on Figure 2, from the descriptive analysis of respondent's assessment data on the learning outcomes of the experimental class and the control class, for the entire indicator items of learning outcomes have an average answer value of 84.31 and 79.74, respectively which means that the value of the experimental class is higher than the control class.

Analysis Result of Independent Samples Test for Entrepreneurial Skills Data (Y1)

The study was conducted to analyze the effectiveness of role-playing learning models to improve students' entrepreneurial skills. The following analysis results of Independent Samples Test.

Table 8 Analysis Result of Independent Samples Test for Entrepreneurial Skills (Y1)

| | Independent Samples Test | | | | | | | | | |
|-----------------------------|---|------|---------|---------|------------------------------|-----------------|-----------------|-----------------------|---|-------|
| | Levene's Test for Equality of Variances | | | | t-test for Equality of Means | | | | | |
| | F | Sig. | t-value | t-value | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | Lower | Upper | |
| Equal variances assumed | ,831 | ,365 | 3,419 | 2,000 | 68 | ,001 | 5,486 | 1,604 | 2,284 | 8,687 |
| Equal variances not assumed | | | 3,419 | | 67,551 | ,001 | 5,486 | 1,604 | 2,284 | 8,688 |

According to table 8, it can be seen in testing the values for the comparison between the classes obtained t_{hitung} value and the significance values are 3.419 and 0.001. These results indicate that the value of the t_{hitung} is greater than the value of t_{tabel} ($3.419 > 2.00$) and the significance value is less than Alpha 5% ($0.000 < 0.001$) then the H_0 hypothesis is rejected and it can be said that the result of role-playing learning is more effective than group guidance- based learning to improve students' entrepreneurial skills.

Analysis of Independent Samples Test Learning Outcomes (Y2)**Table 9 Analysis Results of Independent Samples Test Learning Outcomes (Y2)**

| | Independent Samples Test | | | | | | | | | |
|-----------------------------|---|------|---------|---------|------------------------------|-----------------|-----------------|-----------------------|---|-------|
| | Levene's Test for Equality of Variances | | | | t-test for Equality of Means | | | | | |
| | F | Sig. | t-value | t-value | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | Lower | Upper | |
| Equal variances assumed | ,783 | ,379 | 4,843 | 2,000 | 68 | ,000 | 4,571 | ,944 | 2,688 | 6,455 |
| Equal variances not assumed | | | 4,843 | | 67,844 | ,000 | 4,571 | ,944 | 2,688 | 6,455 |

According to table 9, it can be seen in testing the values for the comparison between the classes obtained t_{hitung} value and the significance values are 4.843 and 0.000. These results indicate that the value of the t_{hitung} is greater than the value of t_{tabel} ($4.843 > 2.00$) and the significance value is less than Alpha 5% ($0.000 < 0.000$) then the H_0 hypothesis is rejected and it can be said that the result of role-playing learning is more effective than guidance-based learning in entrepreneurial learning.

Discussion

Based on the analysis results of the Independent Samples Test data shows that role-playing learning results are more effective than group guidance-based learning to improve student entrepreneurial skills. The results of this study indicate that in the use of role-playing models, students can directly to play something that will be discussed in the learning process through their skills and give the impression of strong and durable in students' memory, besides giving pleasant experience, this model also gives the knowledge inherent in memory as well as having the opportunity to foster their ability to cooperate. The results of this study are supported by Kesten (2011) whose finding showed role-playing might have a place in teaching communication skills in the nursing school and can provide more effective learning in relationship between communication and the results learned. While the results of research conducted by Marsianus et al., (2014) found that role-playing can improve students' speaking skills to express asking questions and to give opinions, means that students have played their roles during the learning activities according to their respective characters. In addition, students reflected that the application of role playing activities had an impact on improving their speaking skills.

The results of role-playing learning are more effective than group guidance-based learning in entrepreneurial learning. The results of this research show that the role-playing learning model can increase the student's interest in the subject matter presented so that the learning objectives are easier to achieve. As well as from the learning experience that students have gained from these models can develop the ability to cooperate, communicate, and interpret an event. Through role-playing learning, students try to explore the relationships between people by demonstrating and discussing them, so that together students can explore their feelings, attitudes, values and various problem-solving strategies that might have an impact on improving learning outcomes. The result of this study is in line with Tompkins' (1998) study which stated that role-playing is a very valuable model for learning, this is because it can encourage students' thinking and creativity to develop their thinking skills and student involvement in the process of ongoing learning activities.

CONCLUSION

Based on data analysis results it can be concluded that the results of role-playing learning are more effective than group guidance-based learning to improve students' entrepreneurial skills. This model is more effective because students can practice directly playing something that will be discussed in the learning process through their skills and give a strong impression in student memory. Role-playing learning outcomes are also more effective than group guidance-based learning. This is as a positive impact of the student's interest in the subject matter presented by involving them directly with the roles that they play. It is recommended that entrepreneurial learning carried out not only the basis of theory but also required the students to portray directly as their entrepreneurial spirit through the development of other innovative learning models.

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