

Students Perception about Entrepreneurship Course Using Quantum Learning Model

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ABSTRACT

Learning model are useful for helping students to learn and to provide an environment for interactive students experiences. Therefore, learning model has a strategic role especially for the achievement of entrepreneurial character building in students. Furthermore, the challenges that occur in the internalization of entrepreneurial values at University of Muhammadiyah Bangka Belitung (UNMUH BABEL) were that the character of students still does not show entrepreneurial stretching, such as students experience and interest in business-related activities. Whereas the expected learning environment such as student cooperatives is not yet available, that students only get experience from the courses and students actively participating in student activity units related to entrepreneurship and their activities are not optimal because only a small proportion are active. That situation made entrepreneurship course must be good managed as well as possible which requires a learning model accompanied by the ability of the lecturer to maximize the internalization process. The quantum learning model was a model that could anticipate of the challenges found in entrepreneurship learning, especially for Primary School Teacher Study Program students. The result of this research used a basic study for further entrepreneurship development model in UNMUH BABEL. The aim of this research was to know of the students perceptions of the quantum learning model used in the Entrepreneurship course. Furthermore, to describe the learning process that has been carried out. This research uses descriptive quantitative method. The data were collected through questionnaire of students perception. The subject in this study were 50 students form a total of 124 students who have experienced entrepreneurship learning. The result of this research showed that perception of Enroll (75%); Demonstrate (74%); Review (75%); and Celebrate (77%) were included good category. However the Experiences (54%) and the Label (41%) were included passably category. The conclusion of this research was quantum learning model could be to improve the students entrepreneurial skills based on their perception and experiences.

Keywords: *Students Perception, Entrepreneurship Course, Quantum Learning Model*

1. INTRODUCTION

Economic stability and the positive character of an entrepreneur have a positive impact on the environment. Furthermore, the contribution of entrepreneurs to people's lives, both financially and socially, acts as a activator to force for a quality and independent life. The character of entrepreneurs is imitated by every field of science to accelerate the actualization of their knowledge in line with their financial independence, so that languages such as foodpreneur, mompreneur, technopreneur, or digitalpreneur are common. These terms are adjusted to the focus of their respective sciences or fields.

Program study of primary teacher education study program in UNMUH BABEL has entrepreneurship is a compulsory subject that students must take. Students who have Teacherpreneur characters have the potential to become teachers who have competitiveness to carry out

their duties in managing learning activities and for their own careers. This character will also further promise the development of education and a decent life for the teaching profession.

The process of producing teacher candidates with teacherpreneur characters requires a variety of strategies that should be implemented, such as implementing a supportive curriculum. The beginning from courses, building entrepreneurial awareness through facilities on campus, and establish special programs related to entrepreneurship. Students' challenges are to implement the internalization of entrepreneurial values for students, including the characteristics of students who are less interested in business activities.

The evidenced of by the Tracer Study data of students for their low interest and experience in entrepreneurship. Based on the results of the Tracer Study data was the student interest and experience are still low in entrepreneurial activities. Whereas, entrepreneurial experience was only obtained from previous education. Furthermore, The strategy given is minimal to support

entrepreneurial practice activities, only 2 semester credit units. Other activities related to entrepreneurship based on the work program of the primary school teacher education study program that have been running are still limited to attending seminars related to entrepreneurship. It could be concluded that the experience of getting entrepreneurship learning to achieve Teacherpreneur character is very dependent on the learning process in the Entrepreneurship course.

Entrepreneurship lecturers applied the Quantum Learning model for the learning process of entrepreneurial courses. This learning model has characteristics that were unity. The indication of choosing a learning model that is applied is right on target to improve the competence of students. This can be seen from the students' perceptions of the implementation of the learning. Students' perceptions are one of the bases for evaluating the implementation of learning that provides entrepreneurial experience as a provision for the Teacherpreneur character to students. Based on analysis of the students perception could get more information about learning process.

Learning evaluation is important step for education and learning. Student perception is the way that could be to evaluate the learning process as a whole from a student perspective. Students perceptions could describe the implementation of Entrepreneurship course learning can be a reference for learning activities in Entrepreneurship courses. The results of this research can also be the basis for further development of entrepreneurship learning. Student perceptions can describe the implementation of entrepreneurship learning using the Quantum Learning Model. With the result that can be used as a basis for further development of entrepreneurship learning.

Education is the most important thing in a person's life, because from this field a person could be considered honorable, have a good career and could act according to the norms that apply [1]. The importance of education in 21st era has increased qualified individuals to upper mental skills and abilities [2] by the interesting learning would be affect the achievement of learning goals [3]. Learning is the process of the development of human life and active process in the construction of knowledge [4].

Quantum learning is a learning models that considers all aspects required in the learning process [5]. The characteristic of quantum learning is relevant with the needs of entrepreneurship course. This course has improve pedagogical techniques of lecturers to involving both entrepreneurship and higher education learning processes [6], it also aimed to academic context were to understand the role academic process of designing, implementing, monitoring and assessing in their experiences on learning [7].

Quantum learning has guidance, strategy and all of the learning process that it could be sharpen the comprehension and memory too [8]. Moreover, the lecturers should be able to innovate and to create interesting classroom situation for the students in order that conducive learning process [9]. Teaching and learning

to implemented in entrepreneurship course need assessment of users. Students perception was importance thing in this study. Based on students perception of entrepreneurship course may be influenced by specific individual variables. Moreover how the students get the experiences learning [9] how the students can be active in learning process, made an interactive learning process.

The background of this study were: (1) the characteristic of quantum learning is relevant with the needs of entrepreneurship course; (2) there is no response of the students during learning process, although the learning outcomes are considered good by lecturer's; and (4) the learning outcomes (cognitive, affective, psychomotor) did not form a unity. Moreover, quantum learning model is relevant to implementation in UNMUH BABEL. This model is an accelerating learning and relevant to use for entrepreneurship courses with two credit values. This study aimed to improve the teaching and learning process as an acceleration of planting entrepreneur character for students.

1.1. Related Work

The research method uses interview techniques for Entrepreneurship course leaders to describe what learning activities have been applied to the Entrepreneurship course in the Odd semester of the 2019/2020 Academic Year which is equipped with an overview of the results of interviews with the head of the primary school teacher education study program to discuss entrepreneurship programs and strategies whatever has been implemented so far. Furthermore, documentation review techniques were carried out both on the distribution of courses and the collaboration with externals that had been carried out related to entrepreneurship. The last stage was a questionnaire instrument to get data from students, in the form of perceptions of the learning model that had been applied to entrepreneurship courses.

The result of data measurement is processed as material for analyzing the implementation of the learning process in Entrepreneurship courses and recording traces of the activities result. Collecting student perception data obtained from a questionnaire inserted with the stages of the Quantum Learning Model applied to the following Entrepreneurship class is equipped with a description of the learning activities.

The method used for data collected was in the form of a survey method which is carried out using a descriptive quantitative approach. The strategy used is literature study and embedding study to determine the activities during learning and evaluate the suitability of instructional learning.

1.1.1. Students Perception

Students perceptions is importance thing for evaluation from students about teaching and learning process. This stage let the lecturer's know how their assessment of learning process. Moreover, the students perceptions may have experienced [9] to learn with quantum learning. This model has a potential to improve students competences.

The questionnaire of students perception is relevant with quantum learning model. Learning models step divided sixth stage were: (1) enroll; (2) experiences; (3) the label; (4) demonstrate; (5) review; and (celebrate). Learning design is a relativity there the educators and students are grappling with the idea of it's implementation and adaptation [10]. This study aimed to explore the students general attituded in learning and to explore the most important advantages and disadvantages that the students experienced.

1.1.2. Quantum Learning

Learning could not be considered as a passive knowledge consuming process anymore [11] bit they have to be prepared to be life long learners. Teaching and learning in education needs a methods, technique and strategy that used by lecturer [8]. Quantum learning represents mental energy and brainwave patterns produced by learning as the lecturer orchestrates interactions between students and the material content [12].

Quantum learning as an alternative to give variation to students teaching and learning process, moreover could give important benefits [13]. Learning strategies are methods used the lecturer to enable students to embed their knowledge and their competencies [14]. Moreover, quantum learning could be increase student interest through motivation and appropriate methods.

1.2. Our Contribution

The result of this research could be the basic for evaluation to Entrepreneurship lecturer and Study Program of Primary School Teacher Education. In addition, it is also a reference for further research on the internalization of entrepreneurship values in prospective teachers or educators.

1.3. Paper Structure

The rest of the paper is organized as follows. Section 2 introduces the preliminaries used in this paper, which include important to evaluation from the students perception of entrepreneurship course and learning. the result of this study would be give the alternative, to improve the lecturer pedagogic, and improve quality of their learning quality.

2. BACKGROUND

The importance of education in 21st era has increased qualified individuals to upper mental skills and abilities [2] by the interesting learning would be affect the achievement of learning goals [3]. One of the learning component is a model. Learning model is a importance of education and learning, according to researches on the development lecturer pedagogic competences.

Entrepreneurship courses were compulsory subjects that must be taken by student at UNMUH BABEL. The subject matter aimed to fostering an entrepreneurial spirit in student to be able to survive in the global challenges. Quantum learning is a learning method that considers all aspects requires in the learning process especially for entrepreneurship learning. This model is a accelerating learning and relevant to use for entrepreneurship courses with two credit values.

The background of this study were: (1) the characteristic of quantum learning is relevant with the needs of entrepreneurship course; (2) there is no response of the students during learning process, although the learning outcomes are considered good by lecturer's; and (4) the learning outcomes (cognitive, affective, psychomotor) did not form a unity. Moreover, quantum learning model is relevant to implementation in UNMUH BABEL. This model is an accelerating learning and relevant to use for entrepreneurship courses with two credit values.

2.1. Background of This Study

The aim of this research was to know of the students perceptions of the quantum learning model used in the Entrepreneurship course. Furthermore, to describe the learning process that has been carried out.

The teacherpreneur characters is having entrepreneurial skills. In addition, further research for the development of entrepreneurship learning is also the result of this study.

Student perceptions were measured from several indicators according to the steps of the learning model and learning outcomes which are accompanied by evidence of their activities. This is very important because could be used for implementing further learning strategies.

This research on learning perceptions is equipped with information about the form of learning activities that have been implemented. The description of these activities are then classified based on the indicators of the implementation of the quantum learning model.

UNMUH BABEL has a compulsory subject that would be the characteristic of this higher school, one of the course is entrepreneurship course with two credits values.

This course need long time to learn about all of the course material and it's to hard to finish at all for two hours every week. The solution need a learning component to support of the acceleration learning process to get a optimal learning outcome. One of the learning component has a important thing for learning is model, and this study use quantum learning model. Selection of this model is an accelerating learning and relevant to use for entrepreneurship courses with two credit values.

Moreover, the background of this study were: (1) the characteristic of quantum learning is relevant with the needs of entrepreneurship course; (2) *there is no response of the students during learning process*; and (4) *the learning outcomes (cognitive, affective, psychomotor) did not form a unity*. Moreover, quantum learning model is relevant to implementation in UNMUH BABEL. This model is a accelerating learning and relevant to use for entrepreneurship courses with two credit values. This study aimed to improve the teaching and learning process as an acceleration of planting entrepreneur character

2.2. The Characteristic of Quantum Learning

Quantum learning pushes the lecturers to follow the students with different type of potentialities. This model has design framework which is derived from it's main principle in the learning process [15]. This models was provided in teaching and has a quality education requires educators who have good self ability [16]. Quantum teaching could be one of alternative for support learning process especially for the improve student learning in cognitive, affective, psychomotor [17]. Moreover, this models is a trend of meaningful learning that allows te creation of fun atmosphere [18] and to optimizing the learning style in learning on TANDUR (enrol, experiences, the label, demonstrate, review and celebrate) framework.

Table 1. The categorization of decision

| Range | Category |
|----------|-----------------|
| ≤ 40 | Dissatisfactory |
| 41 – 60 | Passably |
| 61 – 80 | Good |
| 81 – 100 | Satisfactory |

Source: [19]

2.3. The Framework of Quantum Learning in Entrepreneurship Course

The framework of this research about student perception of quantum learning were sixth stage were enrol, experiences,

the label, demonstrate, review and celebration, could be seen in Figure 1.

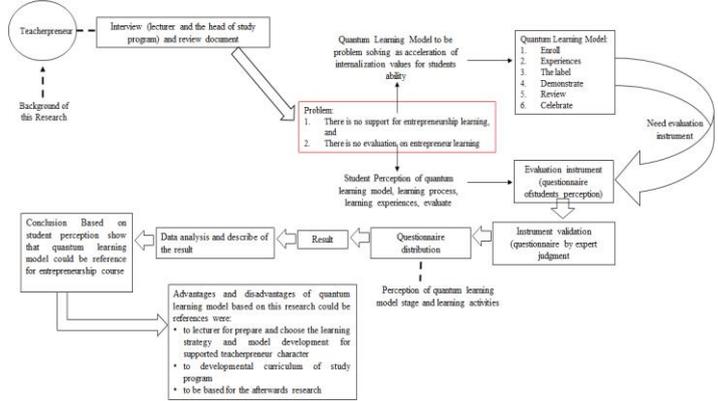


Figure 1. Framework of Research

All of the stage has a design encourage student success, enable learner to made their experiences life, practice, and made a content of learning process would be meaningful for learners. The result of this research to be reference for developmental learning model in afterwards research.

2.4. Result of This Product Development

The categorization of the results could be seen in the following Table 2.

Table 2. The result of Study

| Material Expert Judgment | Percentage (%) | Category and Descriptive |
|--------------------------|----------------|--------------------------|
| Enrol | 75 | Good |
| Experiences | 54 | Passably |
| The label | 41 | Passably |
| Demonstrate | 74 | Good |
| Review | 75 | Good |
| Celebration | 77 | Good |
| Total | | Good Category |

Enrol, demonstrate, review, and celebration were process get a good category, this result showed that the student's would be attracted the attention and the curiosity is woken up the connection with the real world is established. Moreover quantum learning could be to creating for environmental learning and that give joy full learning [20]. This stage to stimulate the student understood the competencies and their motivation to follow in the learning process.

Based on result of this study to showed this models could give a passably learning experiences and the

label for student's. This range caused not at all student's to has a good interactions skills. The other side, at this stage, the student's preliminary information is actuated to increase the sense of curiosity and need to learn [2].

Quantum learning model support to emphasize optimization all multiple intelligences and learning style of students in learning activities [21]. The process of entrepreneurship teaching and learning by TANDUR (enrol, experiences, the label, demonstration, review, and celebrate) frame of quantum learning. The student's response is good for some of the stage. It's because of not at all the student's give responses during learning process. Moreover, this models to provide advantages for learning problems [22].

Entrepreneurship course once part of the hidden curriculum in the university [23] this course could be framed by on the inside, the struggle to found enough contact with academic staff to be successful. The hidden curriculum which makes the conceptual argument that high academic achievement is closely associated with exposure to community[24]. Based on this result and theory quantum learning is problem solving and has potency for entrepreneurship character for student's.

3. CONCLUSION

Based on quantitative data to show that the 6th syntax in the quantum learning model only 2 indicators get an average result below 60 i.e. experiences get 54% were included passably category where students felt that learning activities were too much and heavy. Furthermore, the label get 41% were included passably category when students felt learning instruction is to complicated and very detailed, and given the effect of students hard to understand of the learning instructional. The conclusion of this research were the students perception of quantum learning model has potential to improve student ability and feasible to be references for entrepreneurship course.

Based on this research were quantum learning has potential to build of entrepreneurship character for the student's. Based on the result showed that enroll was included good category, experiences was included passably, the label was included passably, demonstrate was e included good category, review was included good category, and celebrate was included good category. Moreover, quantum learning has a potential for improving entrepreneurship character for student's.

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