

# THE EFFECTIVENESS OF USING PROBLEM BASED LEARNING MODEL IN NABAWIAH PARENTING MATERIAL ON CHARACTER OF STUDENTS OF BUANA PERJUANGAN UNIVERSITY KARAWANG

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**Abstract**---This research is backed by the condition of the lower social sensitivity and the student courtesy because of the rapid influence of information technology. The problem that is researched is the effectiveness of the use of Model Problem Based learning on the material Parenting Nabawiah against the character. The purpose of this research is to determine the effectiveness of the use of Problem Based learning models. The population taken is an entire class in the course of Information Systems Force 2018 Semester 1. Sampling techniques with purpose sampling variable dependent The caller is the use of a model of problem Based Learning and Variabel Free is the result of student learning. The data collection techniques used in this study were tests and used test N. Gain. as a data analysis technique to determine the improvement of learning outcomes, based on the results of the research on the experimental class on Ngain test which is 0.55 which means that in medium category and in the control class there is a result of 0.29 which is in low category Experimental classes are superior due to the use of more interactive learning models that facilitate students in absorbing learning. The problem based learning model is an interactive learning model, digging the knowledge of students for having the problem and solving it together

**Keywords**---effectiveness, learning Model Problem Based Learning, contextual, reality

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## I. INTRODUCTION

Along with the development of times, science and technology has also developed. The development of science and technology is increasingly sophisticated, directly and indirectly gives considerable influence on some aspects of human life. One aspect of human life that gained influence from the development of science and technology is an educational aspect. Various changes in educational aspects are done to improve the quality and quantity of education. One of them with innovative learning models.

To improve the quality of education is needed various breakthroughs both in curriculum development, innovation learning, and fulfillment of facilities and infrastructure education (Supri, 2015). In improving the learning process, lecturers are required to make learning more innovative that encourages students to study optimally both in self-study and in classroom learning. Education as one of the main instruments in the development of human resources with multi cognitive ability, affective and psychomotor. Therefore problem based Learning (LBL) or problem-based learning according to Glazer (2001) states that the PBL emphasizes learning as a process involving problem solving and critical thinking in a real context. Glazer further suggested that the PBL provides students with the opportunity to learn more about

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the broader focus on preparing students to become active and responsible citizens. Through PBL students gain experience in addressing realistic problems, and to engage in the use of existing communications, cooperation, and resources to formulate ideas and develop reasoning skills..

In the results of previous researchers ' observations using the lecture model looked low-yield so researchers tried to use the problem based learning model to improve learning outcomes.

The indicators of the Learning Effectiveness include (1) quality of insurance, that is, how much information is presented so that students can easily learn it or the level of error is small. . The smaller the level of mistakes made means the more effective the learning. (2) The degree of learning (appropriate level of instruction) is the extent to which the teacher ensures the level of readiness of the students in receiving new material. (3) Incentives are how much a teacher's effort motivates students to complete or work on assignments and learn the materials they provide. The greater the motivation given, the greater the activation of students thus the learning will be effective. (4) Time, i.e. time required to complete the learning activities. Learning will be effective when students can complete the lesson according to the prescribed time. Slavin (2009:150) in the journal (Robiatna & Subrata).

## II. LITERATURE REVIEW

### **Problem Based Learning**

Problem-based learning is a single contextual learning model. This study faced a problem, which then through problem solving, students will find the solution of the problem.

Problem Based Learning (PBL) is a learning model based on the principle of using problems as a starting point of acquisition and integration of new knowledge. The PBL is one of the learner-centered learning models by confronting the learners with a variety of problems faced in his/her life. With the learning of this model, learners from the beginning have been faced with various problems of life that may be encountered later when they have graduated from school.

Problem Based Learning (PBL) can be interpreted as an educational method that encourages students to know how to study and collaborate in groups to seek resolution of real-world problems. Simulated problems are used to enable student curiosity before beginning to learn a subject. Problem Based Learning prepares students to think critically, innovative and creative in the implementation of problems. In Aris Shoimin Problem Based Learning (PBL) can be interpreted as an educational method that encourages students to know how to study and collaborate in groups to seek resolution of real-world problems. Simulated problems are used to enable student curiosity before beginning to learn a subject. Problem Based Learning prepares students to think critically, innovative and creative in the implementation of problems. In Aris Shoimin (2014:130)

### ***Parenting Nabawiah Concept***

The basic concept of education in Islam is as the basis, the foundation to form character, Adab, personality that is the essence of human beings who have a civilized life order. Islam puts the position of education in a very important and high position. The essence of education is the dynamic potential of human beings that lie in the faith, belief,, morality, character and personality as the center point of character formation according to the examples Prophet. The importance of Parenting material as research material gives students insight into how the teaching of the personality that is appropriate to the teachings of Islam.

Parenting Nabawiah is one of the implementation of how to recognize the personality history of the Prophet into a model of character formation that has a better exemplary. The establishment in Islam orientated on several demensions, dimensions for the happiness of the world that encourages human beings to continue to develop himself, through the

learning process, SAW. Parenting Nabawiyah is the concept of Islamic education based on the Prophet Muhammad SAW and the Other prophets and apostles. Parenting Nabawiyah is a concept of educating children based on the real example that has been done by the Prophet Muhammad, and is able to become a role model for Muslim students as generations of Islamic character.

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Parenting Nabawiah as one of the character formation gained from the results of education and learning experience with the model of Problem based Learning. Character education is a very important thing to rebuild one's self-confidence. To build confidence it needs support from all sides, namely family, school, campus and social environment. With the discussion of parenting Nabawiah will contribute insight for students for self-development, one of which has good character in accordance with the values of religion, moral and social environment. The sensitivity to the social environment slowly began to fade with the development of information technology. There is a need to develop educational patterns that contribute to the development of self-improvement, which is the purpose of humanizing human.

### III. RESEARCH METHODOLOGY

The design of research used is quasi-experimental design with a form of nonequivalent control group design. Using the control and experiment classes. The population of this research is a student of informatics engineering in 6 class with a total of 60 students. The sample in this study is that there are 2 classes, SI18A and SI8B that are divided into the control class and experiment, With the number of students each 30. The sample techniques on this study are purpose sampling Arikunto (2009:139) Explaining this technique is used by taking the subject instead of strata, random or area but is based on the presence of certain objectives. The data collection techniques in this study used tests. Data analysis techniques Using Test N. Gain to determine the improvement of student learning

#### Test Learning Outcomes $\langle N \rangle$ (gain)

The effectiveness of learning can be known after the calculation of increased learning outcomes tested with the gain test to determine the magnitude of the learning outcome before treatment and after treatment. Formula uses:

$$\langle g \rangle = \frac{\langle S_{post} \rangle - \langle S_{pre} \rangle}{100\% - \langle S_{pre} \rangle}$$

Description:  $\langle S_{pre} \rangle$  = Average early test scores (100%)

$\langle S_{post} \rangle$  = Average early final test scores (100%)

### IV. RESULTS AND DISCUSSION

#### Research Site Overview

Administratively University Buana Struggle Karawang is located in Jalan Ronggo Waluyo Simabaya, Puseurjaya, Kec. Telukjambe Timur., Karawang Regency, West Java. There are 6 faculties including Faculty of Law, Faculty of Psychology,

Faculty of Economics and Business, Faculty of Vocational and Educational Sciences, Faculty of Pharmacy, and faculty of Engineering and Computer science.

Hasil Penelitian dan Pembahasan

#### Student Learning Outcomes

Preliminary data analysis is used to determine student's initial ability in experimental classes and control classes before obtaining treatment.

Table 12. Pretest value

Class	N	Min	Max	Average
Experiment	32	50	80	69,5
Control	32	55	80	66,4

The table above is a result of student test not using PBL learning model.

Table 13. Posttest value

Class	N	Min	Max	Average
Experiment	32	75	100	86,8
Control	32	65	90	78,7

The table above is the result of learners test model of PBL. After learning the study results when Preetest and Posttest both experimental class and further control done test N Gain to know the improvement of learning using SPSS. Based on the results of the N-Gain test analysis It can be obtained that the student learning results of experimentation classes and control classes experienced a different improvement. Experiment classes have increased by 0.55%, which means that the upgrade includes moderate criteria. While the control class occurs an increase of 0.29%, which means it includes low criteria. Has still excelled significantly on learning using the PBL learning model.

#### N.Gain Test

Experimental classes

$$g) = \frac{S_{post} - S_{pre}}{100\% - S_{pre}}$$

$$g) = \frac{86,8 - 69,5}{100\% - 69,5}$$

$$g) = 0,55\%$$

Control class

$$\langle g \rangle = \frac{\langle S_{post} \rangle - \langle S_{pre} \rangle}{100\% - \langle S_{pre} \rangle}$$

$$\langle g \rangle = \frac{78,7 - 66,4}{100\% - 66,4}$$

$$\langle g \rangle = 0,29\%$$

*Category Improved learning outcomes*

<b>⟨N⟩(gain)</b>	<b>Criteria</b>
$\langle g \rangle > 0,30$	Low
$0,31 \leq \langle g \rangle \leq 0,70$	Medium
$\langle g \rangle > 0,71$	High

## V. RECOMMENDATION

With this research is expected to contribute to the teaching model of Islamic religious education that is fun teaching system is not just lectures but the education is centered on students.

Students are able to explore problems in the environment and able to find solutions to the problems in the classroom using the method of problem based learning. Contextual learning also demonstrates a holistic education process and encourages students to have the knowledge/skills that can be flexibly applied (transferred) from one problem/context to another. Through relationships inside and outside the classroom, a problem-based learning approach makes the experience more relevant and meaningful for students in building the knowledge they will implement in lifelong learning.

## VI. CONCLUSION

With the right learning model will give output to better learning outcomes, because students are not only as objects but have contributions in the resolution of problems that exist in the community. The conclusion of the results of this research is as one contribution in the development of the Problem based learning model is flexible and can be applied in various fields of science, included in the learning of Parenting Nabawiah as the history of the Prophet that will provide a good (lesson) for the establishment of student character so that it can be applied in life in an era of rapidly expanding information. With such a learning model will give motivation to study students because students contribute in the completion of the problem that occurs in the information era..

The Problem Based Learning Learning Model has the following advantages: a). Can make education on campus more relevant to life, especially with the workplace;

b). Can familiarize students with and solve problems skillfully, which they can then use when faced with the real problem in society someday;

c). Can stimulate creative and thorough development of thinking skills, because in the process of learning, the students do a mental process by highlighting the problems of various aspects. In Dialectic journal Vol XIV (2013)

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