

# THE DEVELOPMENT OF TEACHING - LEARNING MATERIAL OF INTERGER AND ITS TEACHING-LEARNING MATERIAL IN ELEMENTARY SCHOOLS AT STUDENTS OF THE ELEMENTARY SCHOOL STUDENT TEACHER EDUCATION

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## ABSTRACT

Abstract This research aimed to develop a lecturing /teaching-learning material about interger and how to carry out the teaching-learning in elementary schools. The material consisted of natural and whole number with their operations, prime number, quadratic and exponent of three with their radicals. This research is a research and development (R&D) by using Plom Model (2001). The modification carried out of this model was when test, evaluation and revision changed to be validation, tried out and revision. This research was carried out in steps namely: preceded research, planning, developing and products realization, validation, revision and to be continued with the field test, followed by the last revision. When the design had been realized and considered to be enough, expert validation was carried out to determine whether the material about interger and its teaching-learning in Elementary schools was valid or not. . Eeffectivity test, was carried out by Trying out of the product through the following steps, namely try out of design, result analysis about anquetes and students' opinion about the material and as the user of the material. Data technique analysis comprised: (1) the worth of instrumens; (2) the worth of teaching-learning material; (3) whether or not the material of interger was valid or not and (4) the result of field test. At the beginning, the research result was about the information of the teaching-learning at elementary schools and the elementary school teacher education. Besides, the teaching -learning material design, research instruments, especially the instrument for determining wether the material was valid ornot, had also been realized. Looking at the expert validation, showed that the teaching-learning material about interger, either from the material, presentaion, language and the completeness of the material point of view were fairly good. So, the teaching-learning material about interger and how to teach at elementary schools could be used by both students and lecturers. After trying out to students, the student anquetes result showed that either from material, language, interest, standard or suitnesss with the modern era point of view, were fairly good or effective. It could be concluded that the material about interger and its teaching-learning in the elementary schools was effective and caould be used as a reference in the teaching learning of elementary school teacher education.

Kata Kunci: *Key Words: Teaching-Learning of integer, Implementation Elementary Schools, Lecturing in The Elementary School Teacher Education*