

**ANALYSIS OF STUDENTS' LEARNING DIFFICULTIES ON  
INHERITANCE TOPIC IN GRADE IX AT SMP  
NEGERI 8 BINJAI ACADEMIC YEAR 2017/2018**

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**ABSTRACT**

This study aims to detect the students difficulties in learning inheritance topic and the factors that influence on it. A descriptive research design was used in this study to describe the level of students difficulties based on cognitive and learning indicator aspect and also the influencing factors. The population was taken from whole of Grade IX Students at SMP Negeri 8 Binjai Academic Year 2017/2018. There were 47 students chosen as the sample by applying purposive sampling technique. The instruments used to obtain data were multiple choice test, questionnaire and interview. The result of data analyzed showed : (1) On cognitive aspect, the difficulties are categorized into very high difficulties from C2 until C5 level of cognitive which the highest percentage is on C5 category as 62,4% , (2) On learning indicator aspect, the students have moderate of difficulty category in determining the ratio of the results of monohybrid and dihybrid crosses through the chart as 57%, (3) Teacher's quality is the factor that categorized as very influential in causing students' learning difficulties which is 87,6%.

Keywords : *learning difficulties, cognitive aspect, learning indicator, heredity*