

**ANALYSIS OF STUDENT LEARNING ACTIVITY AND ITS RELATION TO
EXTRANEOUS COGNITIVE LOAD OF PASUNDAN HIGH SCHOOL
STUDENTS CLASS XI ON IMMUNE SYSTEM LEARNING**

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ABSTRACT

This research is motivated by students who have *Extraneous Cognitive Load*. *Extraneous Cognitive Load* is one component of *Cognitive Load*. Cognitive Load is influenced by learning strategies and can be seen from the learning activities undertaken. This study aims to analyze student learning activities and their relationship with *Extraneous Cognitive Load* on immune system learning, the study was conducted in SMA PASUNDAN 1 BANDUNG class XI B2. Analysis of student learning activities was measured using observation sheets that were assessed after the learning was conducted, while the ECL was measured based on students' mental effort netted with a subjective random scale questionnaire. The method used is descriptive method. Results of analysis of student learning activities conducted by students for 2 hours of learning showed that learning activities are more dominant in physical activity and less on mental activity. Activity learning both physical and mental activity does not affect each other to decrease student unfamiliarity during immune system learning, then the results of the analysis of ECL showed that the ECL into the category "medium" means that there are still students who have difficulty in understanding the material presented by the teacher. There is no relation between learning activity and student's mental effort during learning because teacher less stimulate student activity activity so that activity is not meaningful and does not decrease student's mental effort.

Keywords: Learning Activities, *Extraneous Cognitive Load*, Biology Learning, Immune System