

## **ABSTRACT**

### ***THE RELATIONSHIP OF INTRINSIC COGNITIVE LOAD AND EXTRANEOUS COGNITIVE LOAD OF PASUNDAN HIGH SCHOOL STUDENTS IN THE LEARNING OF EXCRETION SYSTEM***

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This study is aimed to analyzed the relationship of Intrinsic Cognitive Load and Extraneous Cognitive Load of high school students in the learning of excretion system. The research is conducted at SMA PASUNDAN 3 Cimahi City. The total subjects of this research are 25 students of class XI MIPA. ICL is measured base on the score of the ability to receive and process information (MMI) using the task complexity worksheet instrument, while ECL is measured based on mental effort (UM) during the learning process using a subjective rating scale questionnaire. The result of data analysis shows that MMI depicting ICL is an good category with high score gain, indicating low student ICL. The UM student describing ECL is generally low. ICL and ECL have a relationship inversely related to the amount of MMI contribution to the decrease of UM by 38,2%.

**Keywords :** *Intrinsic Cognitive Load, Extraneous Cognitive Load, Material excretion system*