

## **ABSTRACT**

**EVA NURAENI. 2023. *Analysis of Mathematical Representation Ability in View of Honey Mumford's Learning Style*. Mathematics major. Faculty of Teacher Training and Education. Siliwangi University.**

*This study aims to analyze the ability of mathematical representation in terms of Honey Mumford's learning style. The method used is exploration. This research was conducted in class XI Online Business and Marketing at Pelita Bangsa Mangunjaya Vocational School. The subjects in this study were 4 students from each type of Honey Mumford learning style. Data collection techniques consisted of distributing Honey Mumford's learning style questionnaires, tests of mathematical representation abilities and interviews. The research instruments used included the Honey Mumford learning style questionnaire and mathematical representation ability test questions. The data analysis technique used is data reduction, data presentation and verification. The results of the study concluded that (1) The ability of the mathematical representation of students who have the subject's activist learning style is not able to represent problems in the representation of images, symbols and language. (2) The mathematical representation abilities of students who have a subject reflector learning style are able to represent problems in image and language representation. (3) Mathematical representation abilities of students who have a subject theoretical learning style are able to represent problems into representations of images, symbols and language (4) Mathematical representation abilities of students who have a pragmatic learning style of subjects are able to represent problems into image representations.*

*Keywords: Mathematical representation ability, Honey Mumford's learning style, Distance Between Dots and Lines*