

ABSTRACT

DEDDY NUGROHO 2023 Analysis of Conceptual Understanding and Logical Mathematical Intelligence of Students in View of Gender Differences at SMA Negeri 1 Sidareja, Cilacap Regency.

This study aims to analyze conceptual understanding and mathematical logical intelligence in terms of gender differences. This type of research was descriptive qualitative. Data collection techniques used the think aloud method. The research instruments included conceptual understanding tests, logical mathematical intelligence tests, and unstructured interviews. The data sources of this study were 6 subjects consisting of 3 boys and 3 girls who were selected from students of SMA Negeri 1 Sidareja, Cilacap Regency. The sample was selected by purposive sampling technique. Based on data analysis, the results showed that there were differences in conceptual understanding between men and women with women being superior in mastering indicators. This research also showed that there was no difference in logical-mathematical intelligence between men and women with mastery of the same indicators. The results of the study included: (1) The male subject students' conceptual understanding mastered two of the five indicators of conceptual understanding. (2) The conceptual understanding of female subject students mastered three of the five indicators of conceptual understanding. (3) The logical mathematical intelligence of male subject students mastered all indicators of the four indicators of logical mathematical intelligence. (4) The logical mathematical intelligence of female subject students mastered all indicators of the four indicators of logical mathematical intelligence.

Keywords: Conceptual Understanding, Mathematical Logical Intelligence, and Gender Differences.