ABSTRACT

DEDE RISMI. 2025. **ANALYSIS OF STUDENTS' SPATIAL MATHEMATICAL ABILITY VIEWED FROM THE FLORENCE LITTAUER PERSONALITY TYPE.** Mathematics Education Masters Study Program. Postgraduate. Siliwangi University.

This study aims to analyze students' spatial abilities in terms of Florence Littauer's personality types. This research employs a qualitative approach with an exploratory method. Data were collected through the distribution of a Florence Littauer personality type questionnaire, completion of spatial ability test items, and unstructured interviews. The research subjects were eighth-grade students of class VIII H at SMP Negeri 13 Tasikmalaya, representing each of Florence Littauer's personality types, who were able to provide detailed and clear information during the interviews. The data analysis techniques consisted of data reduction, data display, and conclusion drawing. The results indicate that students' mathematical spatial ability achievement varies according to personality type. Students with a melancholic personality type tend to demonstrate comprehensive mastery across all spatial indicators. Sanguine and phlegmatic personality types show strengths in spatial perception and some indicators of visualization and mental rotation, although they still require reinforcement in the use of geometric terminology and pictorial representations. Meanwhile, students with a choleric personality type exhibit strong mental rotation abilities but tend to be weaker in visualizing objects from multiple perspectives and in composing shapes after manipulation.