

## ANALYSIS OF STUDENTS' CREATIVE ABILITIES IN COMPLETING QUESTION ABOUT HIGHER ORDER THINKING SKILLS IN CLASS XII STUDENTS AT SMAN 4 PRAYA IN ACADEMIC YEAR 2024/2025 IN TERMS OF STUDENTS' INITIAL MATHEMATICAL ABILITIES

This research aims to determine student creativity in solving HOTS questions for class XII students at SMAN 4 Praya in the 2024/2025 academic year. This research is qualitative and quantitative research. Using 35 subjects with 6 samples from each ability level. Data collection techniques in this research used initial ability tests, creativity ability tests and interviews. From the results of student analysis, it was found that students with low initial abilities had low creative abilities at level 0 (not creative) or did not meet the indicators as much as 25.7% and level 1 (less creative) met fluency as much as 37.2%. Then students with initial abilities who have moderate creative abilities are also at level 2 (creative) who meet fluency and flexibility or fluency and novelty as much as 25.7%. Furthermore, students with high initial abilities have high creative abilities which are also at level 4 (very creative) fulfilling the third indicator, namely 11.4%. It can be concluded that student creativity is determined by the initial abilities possessed by students.

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