

SPATIAL ANALYSIS ABILITY OF GEOGRAPHY TEACHER PROSPECTIVES, YOGYAKARTA STATE UNIVERSITY AND SULTAN IDRIS UNIVERSITY OF EDUCATION, MALAYSIA

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ABSTRACT

Geography facilitates the ability to spatially analyze local, regional, and global environmental spatial phenomena through a critical thinking approach. This ability is shown through the process and learning outcomes. Preliminary studies during visiting professor program lectures in two geography classes at UNY and UPSI allegedly still emphasized learning on the ability to recall conceptual knowledge, not yet on the realm of critical thinking in spatial analysis. This study aims to describe: 1) spatial analysis skills during the learning process, and 2) learning outcomes through spatial critical thinking skills in geography education students at UPSI and UNY.

The research design uses the goal free evaluation model that focuses on the achievement of spatial analysis abilities of prospective geography teacher students in the learning process and critical thinking skills. The data collection technique used a questionnaire to Geography Education students at FISHIPOL UNY and UPSI. The time for data collection was from March to September 2023. The data analysis technique was carried out descriptively by presenting percentages.

The results of the goal free evaluation are as follows: 1) the students' overall spatial analysis abilities are: 30% in the "very good" category, 25% in the "good" category, 20% in the "fair" category, and the rest in the "poor" category. In particular, the spatial analysis abilities of female students (25%) are higher than male students (24%). 2) Students' critical thinking abilities through tests in general are: 31% in the "very good" category, 23% in the "good" category, 21% in the "fair" category, and 23% in the "poor" category. Women's critical thinking abilities (32%) are higher than men's (31%). In general, students' spatial analysis and critical thinking abilities are in the "sufficient" category, but all are below half of the samples obtained. The research recommendation is that a learning design that includes spatial analysis and critical thinking skills can be further improved

Kata Kunci: *Spatial analysis, critical thinking, geography, geography teacher candidates.*