

# THE DEVELOPMENT OF CRITICAL THINKING SKILLS QUESTIONS INTEGRATED WITH KOTAGEDE SILVER CRAFT FOR SCIENCE EDUCATION STUDENTS

by Tias Ernawati<sup>1</sup>, Dadan Rosana<sup>2</sup>, Sri Atun<sup>3</sup>

## ABSTRACT

Critical thinking skills are one of the answers to 21st-century competencies. The urgency of critical thinking is in achieving solutions through logical reflective thinking in interpretation and building basic knowledge to draw conclusions and explanations to decide on an action. The implementation of critical thinking in the form of culture-based questions is still not widely found in science learning. This research developed questions based on critical thinking skills integrated with Kotagede silver craft. The development used the preliminary investigation and prototype phase based on Plomp's development model. Data processing in this study used a qualitative descriptive approach. The research results obtained critical thinking skills questions with high validity criteria, in the material aspect with a score of 0.98; the construction aspect obtained a score of 0.91; and the language aspect with a score of 0.96. The percentage of the feasibility of the question is 96.3% with a very feasible category.

*Kata Kunci: critical thinking, questions based critical thinking skills, Kotagede silver craft*