

# ASSESSMENT OF CHARACTER STRENGTHENING OF 4C'S LEARNING OUTCOMES IN ELEMENTARY SCHOOLS IN INDONESIA AND MALAYSIA

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## ABSTRACT

Technological developments in the field of education demand an increase in the quality of graduates in job competition. The 21st century focuses on the 4Cs: critical thinking, communication, collaboration and creativity. As for integrating these characters, it is necessary to strengthen character values in all educational programs. The movement to improve character education has key values that are developed in the culture of academic units. As time goes by, it is necessary to evaluate the assessment of 4C character strengthening assessment of 21st century learning outcomes in elementary schools to see whether this 21st century learning process can provide positive output in achieving learning objectives and improving learning quality. This study covers the evaluation of 21st century primary school learning outcomes in Indonesia and Malaysia. This research aims to: 1) determine the construct of assessment instruments in measuring character strengthening on 4C learning outcomes, 2) the quality of assessment instruments in measuring character strengthening on 4C learning outcomes, 3) the level of character strengthening on 4C learning outcomes, 4) the dominant aspects of character strengthening on 4C learning outcomes.

This research is a survey research that begins with instrument development. Construct validation of the instrument with Confirmatory Factor Analysis. Instrument with a 4-category scale. The research was conducted in 15 primary schools in Yogyakarta Province and 2 primary schools in Selangor, Malaysia.

The results showed: 1) the construct of the assessment instrument with CFA obtained a loading factor of 0.3 so that no items are canceled; 2) The quality of the assessment instrument shows that the collaboration aspect has a good reliability estimate  $> 0.70$ , while the validity value is deficient because AVE value is 0.477 which is less than 0.5. Communication obtained a good reliability estimate because the reliability measure exceeds 0.7 and the validity is not quite good because the AVE value is 0.347 less than 0.5. Furthermore, Creativity has good reliability because the reliability measure exceeds 0.7 and the validity is good because the AVE value of 0.551 is more than 0.5. Critical Thinking obtained a good reliability estimate because all reliability measures exceed 0.7, and its validity is good because the AVE value of 0.508 is more than 0.5; 3) The level of strengthening of the 4C learning outcome character is obtained by 83% *communication*, 89% *collaboration character*, 80% *critical thinking*, and 83% *creativity*; and 4) The dominant aspect of strengthening the 4C learning outcome character is the collaboration aspect with the highest score.

Kata Kunci: *4C character strengthening, Learning outcomes in primary school*