

ABSTRAK

Handayani, Ni Putu Sri (2020). Pengembangan Instrumen Kemampuan Berpikir Kritis Dan Literasi Sains Siswa Kelas V SD. Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha Singaraja

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Kata-kata kunci: kemampuan berpikir kritis, literasi sains

Penelitian ini bertujuan untuk mengetahui (1) validitas isi instrumen kemampuan berpikir kritis pada siswa kelas V SD, (2) validitas isi instrumen literasi sains pada siswa kelas V SD, (3) reliabilitas menurut *expert* instrumen kemampuan berpikir kritis pada siswa kelas V SD, (4) reliabilitas menurut *expert* instrumen literasi sains pada siswa kelas V SD. Penelitian ini adalah jenis penelitian dan pengembangan atau *Research and Development* (R&D). Penelitian ini menggunakan model pengembangan 4-D (*FourD Model*). Pengembangannya terdiri dari empat tahap yaitu *define*, *design*, *develop* dan *disseminate*. Pada saat penelitian ini dilakukan terjadi pandemi virus covid-19 sehingga untuk menjaga keselamatan, tahap *disseminate* tidak dapat dilaksanakan dan hanya pada tahap *develop*. Validitas isi instrumen dibuktikan dengan *expert* oleh ahli dan praktisi dan dianalisis menggunakan *CVR* dan *CVI*. Reliabilitas instrumen dianalisis menggunakan *alpha Cronbach* untuk instrumen kemampuan berpikir kritis dan KR-20 untuk instrumen literasi sains. Hasil penelitian menunjukkan bahwa: (1) hasil validitas isi instrumen kemampuan berpikir kritis menunjukkan perhitungan *CVR* didapatkan 10 butir instrumen yang valid dan *CVI* sebesar 0.88, (2) hasil validitas isi instrumen literasi sains menunjukkan perhitungan *CVR* didapatkan 30 butir instrumen yang valid dan *CVI* sebesar 0.94, (3) hasil reliabilitas instrumen kemampuan berpikir kritis memiliki nilai sebesar 0,74 yang berada pada rentang $0,60 < r_{11} \leq 0,80$ atau berada pada kategori derajat reliabilitas tinggi (baik), (4) hasil reliabilitas instrumen literasi sains memiliki nilai sebesar 0,77 yang berada pada rentang $0,60 < r_{11} \leq 0,80$ atau berada pada kategori derajat reliabilitas tinggi (baik).

ABSTRACT

Handayani, Ni Putu Sri (2020). Development of Critical Thinking Skills and Scientific Literacy Instruments of the Fifth Grade Students. Thesis, Primary Education, Post Graduated, Ganesha University of Education Singaraja.

This thesis was approved by 1st mentor Prof. Dr. Ni Ketut Suarni, MS, Kons and 2nd mentor Prof. Dr. Ida Bagus Putu Arnyana, M.Si.

Keywords: critical thinking skills, scientific literacy

This study aims to determine (1) the content validity of critical thinking skills instrument in fifth grade students of elementary school, (2) the content validity of scientific literacy instrument in fifth grade students of elementary school, (3) reliability according to the expert instrument of critical thinking skills in fifth grade students of elementary school, (4) reliability according to expert scientific literacy instruments in fifth grade students of elementary school. This study is a type of Research and Development (R&D). This study uses a 4-D development model. The development which consist of four stages, namely define, design, develop and disseminate. At the time of this study, the covid-19 virus pandemic occurred so as to maintain safety, the disseminate stage could not be carried out and only at the develop stage. The content validity of the instrument was proven by expert judgment by experts and practitioners and was analyzed using CVR and CVI. Instrument reliability was analyzed using alpha Cronbach for critical thinking skills and KR-20 for scientific literacy instrument. The results showed that: (1) the results of the content validity of the critical thinking skills instrument showed the calculation of CVR obtained 10 valid instruments and CVI of 0.88, (2) the results of the content validity of the scientific literacy instruments showed the calculation of CVR obtained 30 valid instruments and CVI of 0.94, (3) the results of the reliability of the critical thinking skills instrument has a value of 0.74 which is in the range $0.60 < r_{11} \leq 0.880$ or in the category of high degree of reliability (good), (4) the results of the reliability of scientific literacy instruments has a value of 0.77 which is in the range $0.60 < r_{11} \leq 0.880$ or in the category of high degree of reliability (good).