

ABSTRAK

Ariyani, Ni Putu Ayu Tina (2021). “*Pengembangan Instrumen Kemampuan Berpikir Kritis dan Keterampilan Proses Sains Siswa Kelas V SD*” Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha.

Tesis ini sudah disetujui dan diperiksa oleh Pembimbing I : Prof. Dr. I Wayan Suastra, M.Pd dan Pembimbing II : Prof. Dr. Putu Budi Adnyana, M.Si.

Kata kunci: Instrumen, Kemampuan Berpikir Kritis, Keterampilan Proses Sains.

Penelitian ini bertujuan untuk mengetahui dan mendeskripsikan: 1) unsur-unsur tahapan pengembangan instrumen kemampuan berpikir kritis dan keterampilan proses sains; 2) validitas empirik instrumen kemampuan berpikir kritis dan internal validitas butir instrumen keterampilan proses sains; 3) reliabilitas instrumen kemampuan berpikir kritis dan instrumen keterampilan proses sains; dan 4) karakteristik instrumen kemampuan berpikir kritis dan keterampilan proses. Jenis penelitian ini merupakan penelitian pengembangan *Research and Development* (R&D) dan model pengembangan yang digunakan oleh Djemari Mardapi. Model ini terdiri atas tujuh tahap yang meliputi menyusun spesifikasi tes, menulis soal tes, menelaah soal tes, memperbaiki tes, melakukan uji coba, menganalisis tes, dan menafsirkan tes. Penelitian ini diuji cobakan pada siswa kelas V di SD No. 7 Bena yang berjumlah 56 orang. Hasil penelitian menunjukkan bahwa: 1) Uji validitas butir kemampuan berpikir kritis 38 soal dalam kategori valid. Hasil uji reliabilitas sebesar 0,96 tergolong reliabel; 2) Uji internal konsistensi butir keterampilan proses sains 24 Soal dalam kategori valid. Hasil uji reliabilitas sebesar 0,88 tergolong reliabel.



ABSTRACT

Ariyani, Ni Putu Ayu Tina (2021). "*Development of Critical Thinking Ability Instruments and Science Process Skills of Grade V Elementary Students*" Thesis, Basic Education, Postgraduate Program, Ganesha University of Education.

This thesis has been supervised and approved by Supervisor I: Prof. Dr. I Wayan Suastra, M.Pd and Supervisor II: Prof. Dr. Putu Budi Adnyana, M.Si.

Keywords: Instruments, Critical Thinking Ability, Science Process Skills.

This study aims to know and describe: 1) elements of the stage of development of critical thinking ability instruments and science process skills; 2) empirical validity of critical thinking ability instruments and internal validity of item instruments of science process skills; 3) reliability of critical thinking ability instruments and science process skills instruments; and 4) characteristics of critical thinking ability instruments and process skills. This type of research is research development Research and Development (R&D) and development model used by Djemari Mardapi. This model consists of seven stages that include compiling test specifications, writing test questions, studying test questions, improving tests, conducting trials, analyzing tests, and interpreting tests. This study was tested on grade V students at SD No. 7 Benoa which amounted to 56 people. The results showed that: 1) Test the validity of the item about critical thinking ability 38 points of the question in the category valid. The reliability test result of 0,96 is relatively reliable; 2) Test the validity of the item about the skill of the science process 24 points of the question in the category of valid. Reliability test result of 0,88 is relatively reliable.

