ABSTRAK

Purwadana, I Wayan (2021), *Pengembangan Instrumen Penilaian Berbasis HOTS Pada Materi Pengolahan Data dalam Kehidupan Sehari-hari untuk Siswa Kelas VI SD.* Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha

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Kata Kunci : Instrumen Penilaian, HOTS, Materi Pengolahan Data.

Penelitian ini bertujuan untuk memperoleh Instrumen Penilaian Berbasis HOTS pada Materi Pengolahan data dalam Kehidupan Sehari-hari yang valid, reliabel, objektiv, praktis, dan norma. Penelitian yang dilakukan adalah penelitian pengembangan (*research and development)* model 4D yang dipelopori oleh Thiagarajan terdiri atas 4 tahap yaitu *define, design*, *develop* dan *desimination.* Akan tetapi tahap *desimination* tidak dapat dilakukan karena adanya pandemi Covid 19 yang berdampak pada kesehatan masyarakat dan siswa. Penelitian ini menghasilkan instrumen Penilaian berbasis HOTS dalam bentuk soal pilihan ganda. Instrumen tersebut kemudian divalidasi oleh tim ahli yang berasal dari 2 dosen ahli matematika dan 3 orang praktisi guru Kelas VI SD. instrumen selanjutnya diujicobakan pada 30 siswa. Berdasarkan hasil validasi ahli maka instrumen dinyatakan valid dengan kategori sangat baik. Validitas isi tes dianalisis menggunakan analisis *CVR* didapatkan hasil valid untuk semua soal. Hasil validitas butir dianalisis menggunakan rumus *point biserial* diperoleh $r_{hitung} > r_{tabel}$ sehingga semua butir soal valid. Hasil uji reliabilitas tes diperoleh nilai sebesar 0,75 pada pengujian pertama dan 0,76 pada pengujian kedua. Hasil uji berada pada rentang $0,60 < r_{1.1} \leq 0,80$ dengan kategori derajat reliabilitas yang "tinggi". Berdasarkan hasil uji objektivitas, praktikalitas dan norma didapat hasil instrument tes adalah objektif, sangat praktis dan norma. Berdasarkan hal tersebut dapat disimpulkan bahwa Instrumen berbasis HOTS yang dikembangkan valid, reliabel, Objektif, praktis dan norma sehingga layak digunakan untuk mengukur proses berpikir tingkat tinggi siswa.

ABSTRACT

Purwadana, I Wayan (2021) *Depelopment HOTS based Instrumen on Data Processing in Daily Life for sixth grade Elemntary School Students,* Thesis, Elementary Education, Postgraduate Programe, Ganesha University of Education

The Thesis has been approved and examined by supervisor I : Prof. Drs. Sariyasa, M.Sc., Ph.D and supervisor II : Dr. I Nengah Suastika, S.Pd., M.Pd

Keywords : Asessment Instrument, HOTS, Data Processing.

This study was aimed to obtain the HOTS-based Assessment Instrument which valid and reliable in daily life. This study was a research and development study using the 4D model which was proposes by Thiagarajan that consists of 4 steps namely define, design, develop and dessimination. However, the fourth step, dessimination, was not conducted due to the Covid19 pandemic which has affected to society and student's health. This study produced the Hots-based assessment instrument in form of multiple choices. The instrument, then, was validated by 2 mathematics experts and 3 primary teachers of grade VI. The instrument was tested to 30 students. Based on the experts' judgments, the instrument was valid in the category of 'very good.' The test validity was analysed using CVR analysis, and was found valid result for all questions.The result of instrument's validity was analysed using the biserial point formula. It was found that the arithmetic mean > the table mean , therefore all questions were valid.The result of realibility test showed 0.75 on the first test and 0.76 on the second test. The result of the test was in the range of 0.60< mean 1.1<0.80 in which the realibility degree was in "high" category. Based on the result objectively test, practically and norm were gotten the result of instrument test was objective, very practically and norm. Based on these result, it can be concluded that the developed HOTS-based assessment instrument is valid and reliable thus worthy to be utilised to measure the students' high order thinking skills.