

ABSTRAK

Nurmaya Teresia Simanullang, NIM. 4183341023 (2018). Pengembangan Instrumen Evaluasi Hasil Belajar Berbasis *Google Form* untuk Mata Kuliah Perkembangan Hewan pada Prodi Pendidikan Biologi FMIPA UNIMED.

Penelitian ini ditujukan untuk mengembangkan instrumen evaluasi hasil belajar berbasis *google form* yang valid dan reliabel untuk mata kuliah Perkembangan Hewan. Instrumen dikembangkan mengikuti model pengembangan 4D (*define, design, develop, dessiminate*). Subjek penelitian yaitu mahasiswa Program Studi Pendidikan Biologi (PSPB) angkatan 2021 kelas B berjumlah 26 orang. Data diperoleh dari angket validasi dan angket respon mahasiswa. Rancangan awal instrumen evaluasi hasil belajar terdiri atas 50 butir pertanyaan. Berdasarkan penilaian validator diperoleh instrumen yang terdiri atas 25 butir pertanyaan yang valid dan reliabel. Hasil validasi oleh ahli instrumen evaluasi diperoleh rata-rata persentase perolehan 98,6% dengan kategori sangat layak. Berdasarkan analisis validitas indeks Aiken diperoleh nilai $V = 0,942$ dengan kriteria validitas tinggi. Reliabilitas instrumen menggunakan *Cronbach's Alpha* diperoleh nilai sebesar 0,796 dengan kriteria tinggi (reliabel), sedangkan analisis data reliabilitas ICC diperoleh hasil kesepakatan antar rater sebesar 0,796, dan untuk setiap rater konsistensinya adalah 0,565. Dapat disimpulkan bahwa kesepakatan antar rater sangat kuat dan setiap penilai memiliki konsistensi yang cukup baik. Hasil analisis data respon mahasiswa menunjukkan bahwa setiap indikator dinilai sangat baik dengan rata-rata persentase perolehan 88%.

Kata kunci: Instrumen evaluasi hasil belajar, *google form*, validitas, reliabilitas, uji keterbacaan

ABSTRACT

Nurmaya Teresia Simanullang, NIM. 4183341023 (2018). Development of Google Form-Based Learning Outcome Evaluation Instrument for Animal Development Course in Biology Education Study Programme FMIPA UNIMED.

This study aimed to develop a valid and reliable google form-based learning outcome evaluation instrument for the Animal Development course. The instrument was developed following the 4D development model (define, design, develop, dessiminate). The research subjects were Biology Education Study Program (PSPB) class of 2021 class B students totaling 26 people. Data were obtained from validation questionnaires and student response questionnaires. The initial design of the learning outcome evaluation instrument consisted of 50 questions. Based on the validator's assessment, an instrument consisting of 25 valid and reliable questions was obtained. The results of validation by evaluation instrument experts obtained an average percentage of 98.6% with a very feasible category. Based on the validity analysis of the Aiken index, the value $V = 0.942$ was obtained with high validity criteria. Instrument reliability using Cronbach's Alpha obtained a value of 0.796 with high criteria (reliable), while the analysis of ICC reliability data obtained the results of inter-rater agreement of 0.796, and for each rater the consistency is 0.565. It can be concluded that the agreement between raters is very strong and each rater has a fairly good consistency. The results of the data analysis of student responses showed that each indicator was rated very well with an average percentage of 88%.

Keywords: Learning outcomes evaluation instrument, google form, validity, reliability, readability test